CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, May 31, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
June				
*1	Heating plant, Fishers Island	P. S. & B. S.		5- 3
*1	Sewers	Pensacola, Fla	P. S. & B. S.	3-22
2	Motor generator sets	New York	S.	5-17
4	Water system	Winthrop, Mass	P. S. & B. S.	5-31
*4	Test borings	New York, N. Y	P. & S.	5-24
9	Concrete sewer	Altoona, Pa	S.	5- 3
*9	Paving	Bridgeport, Conn	P. & B. S.	5-17
12	Lights	Fort Totten, N. Y	P. S. & B. S.	5-31
14	Subway station	New York, N.Y.	S. & B. S.	5-31
15	Lights	Fort Ethan Allen, Vt.	S. & B. S.	5-31
15	Grading, etc.	Portland, Me	P. S. & B. S.	5-24
*15	Distributing system	Mitchell, Nebr.	P. & S.	5- 3
*18	Paving, etc.	Clarion, Pa	S. & B. S.	5-31
*20	Canal	Billings, Mont	P. & S.	5-31
*20	Pumping station	Phila., Pa	P. & S.	5-31
21	Canal	Klamath Falls, Ore	P. & S.	5-31
*30	Tunnel	New Zealand	P. S. & B. S.	5-31
*27	Storage works	Portland, Ore	P. & S.	4-26
*27	Storage works	Portland, Ore	P. S. & B. S.	4-26
July				
7	Pumps	Garden City, Kans	P. & S.	5-31
Sept.				
15	Hotel bldg.	Manila, P. I	S.	3-29

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close. Work. Place. On file. See issue.

June 1. Heating plant, Fishers Island ..... May 3
Advertised, Eng. News, May 3.
June 1. Light plant, Huntington, Utah ..... May 3
June 1. Electrical supplies, Fort Meade, S. Dak. .. May 3
Advertised, Eng. News, May 3 to 24.
June 1. Electric system, Fort Wood, N. Y. ..... May 10
June 1. Electrical work, Omaha, Neb. ..... May 10
June 2. Generators, etc., Albany, N. Y. ..... May 10
Advertised, Eng. News, May 10 to 31.
June 2. Machinery, Albany, N. Y. ..... May 17
June 2. Motor generator, Washington, D. C. ..... May 17
June 10. Light fixtures, Ft. Totten, N. Y. ..... May 24
June 13. Transmission poles, Chicago, Ill. ..... Apr. 26
Advertised, Eng. News, Apr. 26.
June 14. Light & power, Ft. Sam Houston, Tex. .. May 24
June 15. Electric system, Fort Ethan Allen, Vt. .. May 24
June 15. Lighting, Fort Wright, Wash. ..... May 31
June 28. Power-house, Washington, D. C. ..... May 17
Advertised, Eng. News, May 17 to June 21.

BRIDGES.

June 1. Bridge, Memphis, Mo. ..... May 24
June 1. Bridge, Iola, Wis. ..... May 24
June 1. Bridge, Tacoma, Wash. ..... May 17
June 2. Two bridges, Gallatin, Mo. ..... May 24
June 4. Approaches, etc., Columbus, O. ..... May 24
June 4. Bridges, Newcastle, Ind. ..... May 24
June 4. Six bridges, Decatur, Ind. ..... May 24
June 4. Bridge, Council Grove, Kans. ..... May 17
June 4. Concrete bridge, Lemoore, Cal. ..... May 31
June 4. Bridges, Salinas, Cal. ..... May 31
June 4. Bridges, Rensselaer, Ind. ..... May 31
June 4. Steel bridges, Kentland, Ind. ..... May 31
June 4. Approach, Port Gibson, Miss. ..... May 31
June 4. Bridge, Mauch Chunk, Pa. ..... May 24
June 5. Steel bridge, Bourbon, Mo. ..... May 31
June 5. Bridge, Carrollton, Ga. ..... May 24
June 5. Three steel bridges, Holton, Kans. ..... May 24
June 6. Bridge, Toledo, Ore. ..... May 17
June 6. Eight bridges, Fargo, N. Dak. ..... May 24
June 6. Seven bridges, Fargo, N. Dak. ..... May 17
June 6. Bridges, Rockville, Ind. ..... May 31
June 7. Pipe-conduit bridge, N. Chicago, Ill. ..... May 17
June 7. Four bridges, Duluth, Minn. ..... May 31
June 8. Bridge, Winchester, Ont. ..... May 31
June 8. Bridge repairs, Salem, Ore. ..... May 31
June 8. Steel bridge, Portland, Ore. ..... May 10
June 11. Culvert, Jefferson, Ohio ..... May 31
June 11. Bridge, Wilmington, Del. ..... May 31
June 12. Two bridges, South Bend, Ind. ..... May 24
June 12. Two aqueducts, Le Sourdsville, Ohio ..... May 24
June 14. Bridge, Cape May, N. J. ..... May 31
June 16. Bridge, Alamosa, Colo. ..... May 31
June 18. Two steel bridges, Cornwall, Ont. ..... May 31
June 26. Bridge, Olongapo, P. I. ..... May 24
June 30. Bridges, St. John, N. B. ..... Apr. 12

BUILDINGS.

May 31. Buildings, Grand Junction, Colo. ..... May 24
May 31. Addition, Hamilton, Ohio ..... May 24
June 1. Church, Blacksburg, S. C. ..... May 31
June 2. Buildings, Fort Des Moines, Iowa ..... May 24
June 3. Factory, Manchester, N. H. ..... May 31
June 4. School, Lima, Ohio ..... May 24
June 4. Alterations, New York, N. Y. ..... May 24
June 4. Electric wiring, etc., New York, N. Y. .. May 24
June 4. School, New York, N. Y. ..... May 24
June 5. Round-house, Fairview, Okla. ..... May 24
June 5. Church, Newberry, S. C. ..... May 31
June 7. Court-house, Peru, Ind. ..... Apr. 26
June 10. Building, Columbus, Mo. ..... May 24
June 12. Concrete building, Dolgeville, N. Y. ..... May 31
Advertised, Eng. News, May 31 and June 7.
June 14. Buildings, Tomah, Wis. ..... May 31
June 14. Subway station, New York, N. Y. ..... May 31
June 14. Gymnasium and post, Delaware City, Del. .. May 24
Advertised, Eng. News, May 24 to June 7.
June 15. Y. M. C. A. building, Charleston, W. Va. .. May 31
June 19. Court-house, Sumter, S. C. ..... May 31
June 21. Gun shed, Annapolis, Md. ..... May 31
Advertised, Eng. News, May 31 and June 7.
June 26. Court-house, Brunswick, Ga. ..... May 24
Advertised, Eng. News, May 24 and 31.

WATER SUPPLY AND IRRIGATION.

June 1. Water-works, Aurora, Minn. ..... May 10
June 1. Water tower, Grand Rapids, Mich. ..... May 10
Advertised, Eng. News, May 10 and 17.
June 1. Dam, Lakeville, Conn. ..... May 31
June 2. Engines, etc., Albany, N. Y. ..... May 10
Advertised, Eng. News, May 10 to 31.
June 4. Air compressor, Galesburg, Ill. ..... May 10
Advertised, Eng. News, May 10 to 31.
June 4. Deep well, Galesburg, Ill. ..... May 10
Advertised, Eng. News, May 10 to 31.
June 4. Distribution system, Philadelphia, Pa. ..... May 10
Advertised, Eng. News, May 10, 17 and 31.
June 4. Electrical pumping equipment ..... May 17
Advertised, Eng. News, May 17 and 24.
June 4. Laying mains, etc., Winthrop, Mass. ..... May 24
June 4. Water main, Moose Jaw, Sask. ..... May 31
June 4. Boilers, Homestead, Pa. ..... May 31
June 5. Water-works franchise, Roseville, Cal. ..... May 31
June 5. Reservoir embankment, La Junta, Colo. ..... May 10
Advertised, Eng. News, May 10 to 24.
June 6. Water mains, etc., Wyandotte, Mich. ..... May 24
Advertised, Eng. News, May 24 and 31.
June 6. Meters, Atlanta, Ga. ..... May 17
June 7. Water mains, North Chicago, Ill. ..... May 3
June 7. Water meters, Yonkers, N. Y. ..... May 24
Advertised, Eng. News, May 24.
June 7. Water system, Fort William, Ont. ..... May 24
June 8. Water-works material, Tuscan, Ariz. ..... May 31
June 9. Water-works, Rathdrum, Idaho ..... May 31
June 11. Stand-pipe, Edgartown, Mass. ..... May 31
Advertised, Eng. News, May 31.
June 11. Water-works, Meeteetse, Wyo. ..... May 31
June 12. Pipe, etc., Cincinnati, Ohio ..... May 24
June 14. Pipe, Yonkers, N. Y. ..... May 24
Advertised, Eng. News, May 24.
June 14. Shore pipe, Portland, Ore. ..... May 31
June 15. Distributing system, Brownsville, Tex. ..... May 31
June 18. Pipe, etc., Brandon, Man. ..... May 24
June 19. Water-works, Leesburg, Va. ..... May 24
Advertised, Eng. News, May 24 and June 7.
June 20. Water-works, Tallula, Ill. ..... May 24
Advertised, Eng. News, May 24 and 31.
June 20. Pumping station, etc., Philadelphia, Pa. .. May 17
Advertised, Eng. News, May 17 and 24 and June 14.

SEWERAGE.

May 31. Sewers, New York, N. Y. ..... May 24
June 1. Sewer, Waukesha, Wis. ..... May 24
June 1. Pipe sewer, Batavia, Ill. ..... May 24
June 1. Drains and sewers, Pensacola, Fla. ..... Apr. 26
Advertised, Eng. News, May 3 to 24.
June 1. Sewer, Mauston, Wis. ..... May 17
Advertised, Eng. News, May 17.
June 1. Sewers, Batavia, N. Y. ..... May 17
Advertised, Eng. News, May 17 and 24.
June 1. Sewers, Indianapolis, Ind. ..... May 31
June 1. Sewers, Portsmouth, Ohio ..... May 31
June 2. Sewers, Richland Center, Wis. ..... May 24
June 2. Lateral sewer, Boise, Idaho ..... May 24
June 2. Sewers, Milton, Mass. ..... May 24
July 2. Sewage system, Cape Girardeau, Mo. ..... May 24
Advertised, Eng. News, May 24 and June 7.
June 4. Sewer, Zalienople, Pa. ..... May 24
June 4. Street work, Albany, N. Y. ..... May 24
June 4. Sewers, Macon, Mo. ..... May 24
June 4. Lateral sewers, White Plains, N. Y. ..... May 31
June 4. Sewers, Huntington, W. Va. ..... May 31
Advertised, Eng. News, May 31.
June 4. Sewers, Des Moines, Ia. ..... May 31
June 4. Sewer trench, Nampa, Idaho ..... May 31
June 4. Sewer, Moose Jaw, Sask. ..... May 31
June 4. Sewer system, Minot, N. Dak. ..... May 31
June 4. Sewers, Des Moines, Iowa ..... May 31
June 4. Sewer, Meyersdale, Pa. ..... May 31
June 5. Lateral sewers, Paola, Kans. ..... May 31
June 5. Sewers, Davenport, Ia. ..... May 31
June 5. Concrete work, Brownwood, Tex. ..... May 10
June 6. Sewerage, Pensacola, Fla. ..... May 24
June 6. Sewer basins, New York, N. Y. ..... May 31
June 6. Brick sewer, Buffalo, N. Y. ..... May 31
June 8. Sewers, Green Island, N. Y. ..... May 31
June 8. Intercepting sewer, Mount Carmel, Pa. .. May 17
Advertised, Eng. News, May 17 to 31.
June 11. Sewers, Washington, D. C. ..... May 24
Advertised, Eng. News, May 24 and 31.
June 11. Sewers, Des Moines, Iowa ..... May 31
June 11. Culvert, Jefferson, Ohio ..... May 31
June 12. Sewer outlet, Collinwood, Ohio ..... May 31
June 12. Screening basin, etc., Cleveland, Ohio ..... May 24
June 12. Sewer, Medford, Ore. ..... May 24
June 13. Sewers, New York, N. Y. ..... May 31
June 13. Sewer basins, New York, N. Y. ..... May 31
June 15. Sewers, Grand Rapids, Mich. ..... May 31
June 15. Sewer, Escanaba, Mich. ..... May 5
June 15. Sewer construction, Escanaba, Mich. ..... May 3
June 18. Intercepting sewer, Jackson, Mich. ..... May 31
Advertised, Eng. News, May 31.
June 18. Sewers, Washington, D. C. ..... May 31
Advertised, Eng. News, May 31 and June 7.
June 26. Sewer, Vacaville, Cal. ..... Apr. 5
No date. Sewers, Knoxville, Tenn. ..... May 31

STREETS AND ROADS.

May 31. Paving, Ashland, Ohio ..... May 17
May 31. Grading, North Chicago, Ill. ..... May 3
Advertised, Eng. News, May 3 and 10.
May 31. Grading, etc., New York, N. Y. ..... May 24
May 31. Asphalt, New York, N. Y. ..... May 24
May 31. Paving, Buffalo, N. Y. ..... May 24
June 1. Paving, Ashland, Ohio ..... May 24
June 1. Brick paving, Wheeling, W. Va. ..... May 10
June 1. Brick paving, Fairmont, W. Va. ..... May 10
June 2. Paving, etc., Richfield Center, Wis. ..... May 24
June 2. Roads and walks, New Bedford, Mass. .. May 24
June 2. Improving, Niles, Ohio ..... May 31
June 4. Sidewalks, Madison, N. J. ..... May 31
Advertised, Eng. News, May 31.
June 4. Paving, etc., Huntington, W. Va. ..... May 31
Advertised, Eng. News, May 31.
June 4. Gravel roads, Columbus, Ind. ..... May 17
June 4. Paving, Columbus, Ohio ..... May 17
June 5. Macadam road, Versailles, Ind. ..... May 17
June 5. Road construction, Bloomfield, Ind. ..... May 17
June 5. Sidewalks, St. Paul, Minn. ..... May 10
June 5. Creosote block paving, Sioux City, Iowa .. May 24
June 5. Grading, Amsterdam, N. Y. ..... May 24
June 5. Paving, Logansport, Ind. ..... May 31
June 5. Roads, Moultrieville, S. C. ..... May 31
June 6. Grading, New York, N. Y. ..... May 31
June 6. Paving, Meadville, Pa. ..... May 24
Advertised, Eng. News, May 24.
June 7. Macadamizing, etc., Pleasantville, N. Y. .. May 24
Advertised, Eng. News, May 24 and 31.
June 8. Streets, St. Louis, Mo. ..... May 31
June 9. Pike, Celina, Ohio ..... May 31
June 9. Paving, Bridgeport, Conn. ..... May 17
Advertised, Eng. News, May 17 and 24.
June 11. Macadamizing, Morristown, N. J. ..... May 24
June 11. Paving, Patton, Pa. ..... May 24
Advertised, Eng. News, May 24 to June 7.
June 12. Paving, Bluefield, W. Va. ..... May 24
Advertised, Eng. News, May 24 to June 7.
June 14. Constructing roads, Louisville, Ky. ..... May 24
June 15. Grading, etc., Portland, Me. ..... May 24
June 18. Paving, Clarion, Pa. ..... May 24
Advertised, Eng. News, May 24 and 31.
June 18. Paving, etc., Lewiston, Pa. ..... May 31
Advertised, Eng. News, May 31 to June 14.
June 20. Streets, Janesville, Wis. ..... May 31
June 22. Paving, Norfolk, Va. ..... May 31
Advertised, Eng. News, May 31 and June 7.
No date. Ten gravel roads, Brownstown, Ind. ..... May 31
No date. Stone road, Sullivan, Ind. ..... May 31
No date. Gravel roads, Paoli, Ind. ..... May 31

MISCELLANEOUS CONTRACTS.

May 31. Drainage, Osceola, Ark. ..... May 10
Advertised, Eng. News, May 10.
June 1. Ditches, Willmar, Minn. ..... May 24
June 1. Dam, Lakeville, Conn. ..... May 24
Advertised, Eng. News, May 24.
June 2. Two battleships, Washington, D. C. ..... Apr. 5
June 4. Ditch, Muscatine, Ia. ..... May 3
June 4. Dredging, Ft. Totten, N. Y. ..... May 10
Advertised, Eng. News, May 10 to 31.
June 4. Motors, etc., Lawrence, Kans. ..... May 24
June 4. Test borings, New York, N. Y. ..... May 24
Advertised, Eng. News, May 24 and 31.
June 4. Road roller, etc., St. Cloud, Minn. ..... May 24
Advertised, Eng. News, May 24 and 31.
June 4. Ditch, Sibley, Ia. ..... May 31
June 4. Jetties, Salinas, Cal. ..... May 31
June 5. Dredging, New York, N. Y. ..... May 31
June 5. Grading land, York, Pa. ..... May 24
Advertised, Eng. News, May 24 and 31.
June 5. Dikes, New York, N. Y. ..... May 10
Advertised, Eng. News, May 10 to 31.
June 5. Reservoir embankment, La Junta, Colo. .. May 10
Advertised, Eng. News, May 10 to 31.
June 6. Dredging plant, Cuba ..... Apr. 5
Advertised, Eng. News, Apr. 5 to May 31.
June 6. Elevator, Springfield, Mo. ..... May 31
June 8. Roadway, Cincinnati, Ohio ..... May 31
Advertised, Eng. News, May 31.
June 8. Dredging, Buffalo, N. Y. ..... May 31
June 8. Cement, Portland, Ore. ..... May 17
Advertised, Eng. News, May 17 to 31.
June 8. Supplies, Panama ..... May 17
Advertised, Eng. News, May 24 and 31.
June 11. Screens, Fort Meade, S. Dak. ..... May 24
Advertised, Eng. News, May 24 to June 7.
June 11. Drainage ditch, Niles Center, Ill. ..... May 31
Advertised, Eng. News, May 31.
June 11. Concrete dam, Orilla, Ont. ..... May 31
June 12. Cars, Bangkok, Siam ..... May 31
Advertised, Eng. News, May 3 and 10.
June 14. Dredging, Philadelphia, Pa. ..... May 31
Advertised, Eng. News, May 31 and June 7.
June 14. Office fixtures, Cape May, N. J. ..... May 31
Advertised, Eng. News, May 31 to June 14.
June 14. Ditch, Hood River, Ore. ..... May 31
June 14. Dredging, Philadelphia, Pa. ..... May 31
June 14. Levee work, Memphis, Tenn. ..... May 24
June 14. Dredging, Cocheco River, N. H. ..... May 17
June 14. Wharf and laundry, Savannah, Ga. ..... May 17
Advertised, Eng. News, May 17 and 24.
June 15. Building material, West Point, N. Y. ..... May 17
Advertised, Eng. News, May 17 to June 7.
June 15. Distributing system, Mitchell, Neb. ..... May 3
Advertised, Eng. News, May 3 to 24.
June 18. Canal, Wichita, Kans. ..... May 24
June 20. Canal, Billings, Mont. ..... May 17
Advertised, Eng. News, May 17 to June 14.
June 20. Dredging, Cleveland, O. ..... May 31
June 21. Stone mound, Charleston, S. C. ..... May 31
Advertised, Eng. News, May 31 to June 14.
June 21. Canal, Klamath Falls, Ore. ..... May 17
June 21. Dredging, Bridgeport, Conn. ..... May 24
Advertised, Eng. News, May 24 to June 14.
June 25. Repairing breakwater, Burlington, Vt. ..... May 31
Advertised, Eng. News, May 31 to June 21.
June 26. Dredging, New London, Conn. ..... May 31
Advertised, Eng. News, May 31 to June 21.
June 27. Storage works, Portland, Ore. ..... Apr. 26
Advertised, Eng. News, Apr. 26 to May 10.
June 28. Dam, Hermiston, Ore. ..... May 3
Advertised, Eng. News, May 3 to June 7.
June 28. Light-house supplies, Tompkinsville, N.Y. .. May 31
Advertised, Eng. News, May 31 to June 21.
June 29. Retaining walls, Catlettsburg, Ky. ..... May 31
Advertised, Eng. News, May 31 to June 21.
June 29. Canal, Portland, Ore. ..... May 10
Advertised, Eng. News, May 10 to June 7.
June 30. Superstructure, Chicago, Ill. ..... May 31
Advertised, Eng. News, May 31 to June 21.

CIVIL SERVICE EXAMINATIONS.

June 2. Chainman-Rodman, New York, N. Y. .. May 10
Advertised, Eng. News, May 3.
June 2. Asst. Engr., New York, N. Y. ..... May 10
Advertised, Eng. News, May 3.
June 2. Topo. Draftsman, New York, N. Y. ..... May 10
Advertised, Eng. News, May 3.
June 6. Topo. Draftsman, Panama ..... May 10
June 6. Mech. Draftsman, Panama ..... May 3
June 6. Assay Asst., Washington, D. C. ..... May 3
June 6. Aid, Coast Survey, Washington, D. C. ..... May 3
June 6. Draftsman, Idaho, etc. ..... May 3
June 7. Inspector of Carpentry, etc., New York .. May 17
June 12. Inspector, pipe laying, New York, N.Y. .. May 17
June 13. Mech. Supt., Manila, P. I. ..... May 17
June 13. Statistician, Washington, D. C. ..... May 17
June 13. Engineer, etc., Winnebago, Nebr. ..... May 17
June 13. Mech. Draftsman, Rock Island, Ill. ..... May 17
June 13. Custodian, West Point, N. Y. ..... May 17
June 13. Map Printer, Washington, D. C. ..... May 17

PROPOSED WORK

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

Address, **WAINWRIGHT RANDALL**
Editor Construction News

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ARIZONA MIDLAND.—This company has been organized by the directors of the Lake Superior & Arizona Mining Co. for the purpose of connecting its mine at Superior, Ariz., with the Gila Valley, Globe & Northern R. R. It is reported that surveys have been made and construction will begin at once.

ATCHISON, TOPEKA & SANTA FE.—We are informed that this company has planned to build two extensions in Louisiana. One will be a branch two miles long from De Ridder to Ludington, and the other, extending from Bon Ami to Carson, will be three miles in length. Under the name of the Liberal & Englewood, which was recently incorporated by this company, with a capital of $5,000,000, an extension of its line is to be built west from Englewood, Kan., to Liberal, thence southwest through Beaver County, Okla., and west to Des Moines, N. Mex., and thence northwest to Raton, approximately 300 miles. Surveys have been begun for this line under the direction of Max L. Cunningham, of Oklahoma City. The line is being built to reach coal fields in the neighborhood of Trinidad, Colo. C. F. W. Felt, Galveston, Tex., is Div. Engr.

AUGUSTA CONNECTING R. R.—J. W. Middendorf, of Augusta, Ga., one of the directors of the Augusta Connecting R. R. Co., which has just been incorporated, states that the company will build a line six miles in length to connect Augusta with the Augusta & Florida R. R.

BUNKIE EAST & WEST.—Contract for grading sixteen miles of this road, from Ville Platte to Eunice, La., has been awarded to M. TANSY and J. H. PARKS.

BIRMINGHAM & MISSISSIPPI SOUTHERN.—We are informed that a corps of engineers is in the field making preliminary surveys for the proposed new road from New Orleans to Baton Rouge, La. This road has been incorporated by C. H. Longine, of Jackson; R. C. Oliver, of Hattiesburg, and others.

BARNWELL & SEARCHLIGHT.—THE GRANT BROS. CONSTRUCTION CO. of Los Angeles, Cal., has been awarded the contract for building this road which is a branch of the Atchison, Topeka & Santa Fe. The line will extend from Barnwell, Cal., to Searchlight, Nev. Work will begin at once.

CENTRAL & SOUTHEASTERN.—This company, which is a reorganization of the Arkansas, Missouri & Kansas, has issued bonds for $2,250,000 to cover cost of construction of the line from Chanute, Kans., through Missouri and Arkansas to Memphis, Tenn., a distance of 425 miles. The portion of the road from Chanute to Joplin, Mo., 75 miles, is under construction. Albert N. Hoxie, Pres., writes: "The first 75 miles in Kansas passes through the great agricultural district, oil, coal, zinc and lead fields of that State. We intersect some 20 southwestern trunk lines." Officers: Albert N. Hoxie, Pres.; John F. Douthitt, First V.-Pres. and Treas.; Chisolm Beach, Second V-Pres.; D. W. Spooner, Mgr. and Ch. Engr.; Fred. S. Hoxie, Secy. Office, No. 273 Fifth Ave., New York.

CHICAGO, ANAMOSA & NORTHERN.—An extension from Coggan to Waterloo, Ia., about 50 miles, will be built by this road as soon as terminal concessions are granted at the latter city. An extension is also planned from Waterloo to Eldora Junction. It is said that this is a subsidiary company of the Chicago & Northwestern. J. Wonderlich, Anamosa, Ia., is Gen. Mgr.

CENTRAL R. R. OF LOUISIANA.—We are officially informed that contract for the construction of this road, which will extend from New Orleans to Leesville, La., 220 miles, has been awarded to the DALHOFF CONSTRUCTION CO., of Little Rock., Ark. C. C. Henshaw is Pres., and Wm. H. Bush, Ch. Engr., both of New Iberia, La.

CHICAGO, BURLINGTON & QUINCY.—Plans are prepared for reconstructing portions of the Rock Island division between Lynn and Orion, and between Rio and Alpha. Curves will be straightened and grades reduced, and about ten miles of the track will be raised. Estimated cost of this work is $500,000. Contracts will be let about July 1.

This road is reported to have plans prepared for extensions to be built during the next two or three years to aggregate over 500 miles, and to cost about $20,000,000. The work consists of constructing lines to serve local territory in Wyoming and Colorado. The projected local lines include the building of a north and south division running diagonally across Wyoming and Cheyenne parallel to the Union Pacific nearly to Allen Junction, and thence northwest crossing the new division of the Northwestern in the valley of the Big Horn River, and running to a connection with the Cody extension at Worland.

CALIFORNIA & OREGON COAST.—We are officially advised that all surveys have been completed, right-of-way secured, and the contract let to OREGON & PACIFIC R. R. CONSTRUCTION CO. for building this road. It is to be 45 miles long and extend from Granite Pass to Tapilma, Ore. T. W. M. Draper, 3034 Jackson St., San Francisco, is Ch. Engr.

DELAWARE, LACKAWANNA & WESTERN.—We are informed that a change of line and new third track from Moscow to Gouldsboro, Pa., is planned for immediate construction. Contract has been let to BURKE BROS., of Scranton, Pa. The reconstructed line will be 8½ miles long. It is reported that a new line will be built by this company from Rouse Point to Adirondack Junction, N. Y. James MacMartin, Albany, N. Y., is Ch. Engr.

ELKIN & ALLEGHENY.—A. G. Click, Secy. of this company, writes us that surveys have been made on the line planned from Elkin to Sparta, N. C., and some point on the Norfolk & Western R. R. He says that the road will eventually be built from Statesville to Elkin. J. Respass, Winston-Salem, N. C., is Ch. Engr.

ERIE R. R.—It is reported that contracts for constructing the Middletown section of this road's new freight line have been awarded as follows: Section F, from Stony Ford to Campbell Hall, LATHROPE, SHAYNE & HEMMON, of Buffalo, N. Y.; Sections G and H, from Stony Ford to Howells, CLEMENS & KING, of New York.

GATE CITY TERMINAL CO.—This company has made application to the Secretary of State of Georgia for a charter with a view to providing terminals at Atlanta for the Atlanta, Birmingham and Atlantic R. R. Co. The station will be built on property recently purchased on Peters St.; the company will also build a line about three miles long from Howell's Station, connecting with the terminal. The incorporators are P. S. Arkwright, I. S. Hopkins, Jr., W. B. Stovall, R. E. Cullinane, F. M. Sisk, H. M. Milam, Walter T. Colquitt, Ben J. Coyers, L. Oscar Simmons and G. W. Brine. The Atlanta, Birmingham & Atlantic R. R. Co., it is expected, will have its trains running into Atlanta both from Birmingham and Brunswick by Jan. 1, 1908.

GEORGIA, SOUTHWESTERN & GULF.—This company is reported formed to build a railway from Dawson, Ga., to some point on the Gulf of Mexico, in Calhoun or Washington counties, in Florida, a distance of 155 miles. Headquarters of the new company will be at Albany, Ga. W. M. Legg and M. D. Powell, of Bainbridge; W. W. Gordon, Jr., of Savannah, and W. H. Milton, of Marianna, Fla., are interested.

GEORGIA & FLORIDA.—Middendorf, Williams & Co. have published the following statement regarding this road: "A syndicate organized by Middendorf, Williams & Co. and the International Trust Co., of Baltimore, Md., and John L. Williams & Sons, of Richmond, Va., has consummated the purchase of six or seven small railroads in the states of Georgia and Florida, having a total present mileage of about 230 miles. Certain connecting links, aggregating, approximately, 100 miles, will be at once constructed, uniting these several properties and forming a continuous line of railroad from Augusta, Ga., to Madison, Fla., with several important branches. A further extension to deep water on the Gulf of Mexico is also under consideration. This new line will be known as the Georgia & Florida Ry. It will not parallel for any considerable distance any existing road, but practically presses at right angles all of the important trunk lines in Georgia, including the Atlantic Coast Line, the Central of Georgia, the Seaboard Air Line and the Southern, as well as the Georgia Southern & Florida and the Atlanta & Birmingham railroads. Four parties of engineers are already in the field rapidly locating the four connecting lines, Keysville to Augusta, 26 miles; Midville to Garfield, 12 miles; Vidalia to Hazelhurst, 30 miles, and Nashville to Valdosta, 28 miles, which are to be speedily pushed to completion. The new construction work is in charge of the Augusta Construction Co., of which John Scott, formerly president of the Queen & Crescent system and Colorado Midland R. R., is president. The syndicate has already secured control of very valuable and centrally situated terminal properties in the city of Augusta. The railroad will extend from Augusta to Valdosta, the total distance being about 235 miles, and from Augusta, Ga., to Madison, Fla., about 265 miles. John Skelton Williams, of Richmond, is Pres.; Cecil Gabbett is Gen. Mgr.

LONG ISLAND.—We are informed that this company has decided to build a branch from Wading River to Riverhead at once. Ralph Peters, Long Island City, N. Y., is Pres.

LOUISVILLE & EASTERN.—The Louisville & Eastern R. R. Co. has begun work on its extension from Shelbyville to Eminence. The distance is 12 miles, and anticipates a further extension to Newcastle. Application was recently made for an increase of the capital from $350,000 preferred to $2,000,000 common and $400,000 preferred. This will be followed by the running of lines from Beards to Lagrange, from Shelbyville to Frankfort, and from Lakeland to Shelbyville. Surveys have been made and the work of construction will be pushed rapidly.

MORGAN'S LOUISIANA & TEXAS.—We are officially informed by C. G. Vaughn, Ch. Engr., that contract for the construction of a branch line 12½ miles long, from Port Barre to Arnandville, La., has been awarded to T. L. HARELSON & CO.

NEW YORK, CHICAGO & ST. LOUIS.—F. B. DOUGLAS, Monroe, Ohio, has the contract to double track 52 miles on this road as follows: Stoney Island, Ill., to Osborn, Ind., 12 miles; near Bellevue, Ohio, 6 miles; Lorain to Cleveland, Ohio, 26 miles; Cleveland to Euclid, 8 miles. The contract also includes yard work at Fort Wayne, Ind., involving 50,000 cu. yds., and two trestles in Cleveland. E. E. Hart, Cleveland, Ohio, is Ch. Engr.

NORTHERN PACIFIC.—Rights of way are being secured by this company for an additional line east and west of Valley City in Barnes County, North Dakota. The new line will leave the main track at Alta, running west and again joining the main line near Berea, and will be one-half mile shorter than the existing line. The new cut-off, which will cost about $1,250,000, is to be used for freight traffic only. It will take about two years to build it. W. C. Smith, St. Paul, Minn., is Div. Engr.

OKLAHOMA CENTRAL.—A corps of engineers under R. L. McWitte, Ch. Engr., are in the field surveying for a new line to run south from Lehigh, Ind. T. Dorset Carter, Pres., announces that construction will begin as soon as the survey is completed.

PENNSYLVANIA.—We are officially informed by A. C. Shand, Ch. Engr., Philadelphia, Pa., that contract has been let to H. S. KERBAUGH, 922 Arcade Bldg., Philadelphia, for the construction of the line from Shanks Ferry to Peach Bottom, 14 miles.

Local press reports state that work will begin about June 15 on the elevation of tracks on the Pennsylvania R. R. in Chicago. W. H. Serivan is Gen. Supt., Chicago.

Contracts have been let for a change of line between Tunnelton and Blairsville, Pa., four miles. C. A. SIMS & CO., of Philadelphia, have the contract for the grading, masonry and tracklaying for three miles, and H. S. KERBAUGH, of Philadelphia, has the contract for one mile.

SAN SABA VALLEY.—The San Saba Valley R. R. Co. has been incorporated with a capital of $200,000, and is formed for the purpose of building a railroad from Antelope Gap, on the Gulf, Colorado & Santa Fe, in Mills County, through Mills, Lampasas, San Saba and McCulloch Counties, by way of San Saba to Crothers, on the Fort Worth & Rio Grande R. R., a distance of 50 miles. The general office of the company is at San Saba. The directors are E. Campbell, John Kelly, T. A. Murray, R. G. Coryell, W. S. Sanderson, J. H. Martin, J. D. Estep, R. M. Ward and E. L. Rector, all of San Saba.

UNION PACIFIC.—It is reported that the Union Pacific Ry. Co. is going ahead with its plans for the extension from Portland to Seattle, although a franchise to enter Seattle has not been secured. Engineers are in the field at various points between Portland and Seattle, and tunnel and terminal maps are being prepared as rapidly as possible by the engineering department. Designs have been made by the Harriman engineers in connection with the general Seattle terminal plans, for a passenger depot that will equal in importance the union station of the Northern Pacific and Great Northern just completed. The plans of the depot have not been formally accepted, but will be submitted to Mr. Harriman with the other plans for improvements in Seattle. The Union Pacific tunnel will be approximately one mile in length, starting nearly a block south and ending two blocks to the north of the Great Northern bore. Russell L. Huntley, Omaha, Nebr., is Acting Ch. Engr.

VANCOUVER, VICTORIA & EASTERN.—J. H. Kennedy, Ch. Engr. of the Vancouver, Victoria & Eastern Ry. Co., stationed at Midway, announces that a line will be built up the north fork of the Kettle River, saying the work will begin as soon as the men and materials can be assembled. The objective point is said to be the Pathfinder mine, 16 miles up the river.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

HARTFORD, CONN.—The proposition of the Consolidated Ry. Co. to double-track Sisson Ave. and to lay an additional track on New Park Ave. has been accepted by the Common Council. Both avenues are to be widened. The improvements will be started at once, and when completed will form a through double-track line from Ford St. through Farmington Ave., Sisson Ave. and New Park Ave. to Luna Park and Charter Oak. W. P. Bristol, Hartford, is Mgr.

NEW YORK, N. Y.—Oliver W. Barnes, 55 Broadway, New York, an officer of the New York Connecting R. R. Co., has announced through the local press that a company to be known as the East Side Viaduct R. R. Co. has just been formed to build a six-track elevated railroad. The road is planned to run from the Bronx side of the Harlem River to 34th St., making connections at 42d St. with the Interborough line running to Grand Central Station, and at its 34th St. terminal with lines running to the Battery and the Long Island R. R. ferry. The line of the road will be through the middle of the blocks between Ave. A and First Ave., mostly on open ground at present unoccupied and partly held by the Rhinelander and other large estates. The line will be on a tangent five miles long and mostly on a level grade between the proposed junction with the suburban elevated line and the southern terminus at 34th St. and First Ave. It is understood that the scheme is planned to bring the New York, New Haven & Hartford R. R. into the heart of the city from its terminal in the Bronx.

It is reported that the Coney Island & Brooklyn R. R. Co. is preparing plans for a line to run the entire length of Fort Hamilton ave. H. A. Mock, DeKalb and Franklin Aves., is Ch. Engr.

The New York & Portchester R. R. Co., which has been endeavoring to secure a franchise from this city for several years, is finally successful. It is planned to build a trolley line from the Willis Ave. Bridge, in the Bronx, to Portchester, 25 miles. The company declares its intention of beginning work in August, and expects to complete it within two and a half years. It will spend $19,500,000. W. C. Gatshall, 76 William St., is Ch. Engr.

NEW CASTLE, PA.—The Shenango and Mahoning Valley Light & Power Co. has been organized with a capital of $10,000,000 to take over the New Castle, Warren, Youngstown and Niles street railway systems and the connecting interurban lines. The new company plans to complete trolley communication from Cleveland to its system by constructing a link at Garretsville.

BALTIMORE, MD.—We are officially informed by B. B. Parry, one of the directors of the Lorraine Electric Ry. Co., mentioned in the News of May 10, that surveys have been made and right-of-way partly secured for the proposed line through Dickeyville. Contracts for construction within 30 days. C. M. John[illegible] to be let Union Trust Bldg., Baltimore, is Ch. En[illegible]

BIG STONE GAP, VA.—W[illegible] informed that the Cumberla[illegible] are officially has completed surveys for a [illegible] Traction Co. line here, and is securing ri[illegible] mile electric ital is secured. Malcom S[illegible] -way. Cap. Gap, is Ch. Engr. Big Stone

PEARISBURG, VA.—The [illegible] les County Electric Ry. Co. has been [illegible] ed with C. T. Painter, Pres.; Thomas [illegible] arson, V.-Pres.; M. P. Farrier, Secy. a[illegible] reas.; Martin Williams, John W. Willia[illegible] H. Wood-rum, Bernard Mason, director[illegible] of Pearisburg. Capital $25,000.

ATLANTA, GA.—It is re[illegible] that the Georgia Ry. & Electric Co. c[illegible] plates constructing an electric line f[illegible] Atlanta to Stone Mountain. Preston S. [illegible] wright, Atlanta, Ga., is Pres.

MEMPHIS, TENN.—An inte[illegible] an electric line from Memphis to Clarks[illegible] Miss., by way of Lakeview, with bran[illegible] from Coahoma or Clover Hill to F[illegible] Point, is planned by the Lake View [illegible] section Co. Henry E. Craft, Memphis, is [illegible] Pres.

MT. STERLING, KY.—The [illegible] is & Mt. Sterling Electric Ry. Co. has f[illegible] articles of incorporation with the follo[illegible] incorporators: Henry A. Power, Ro[illegible] Talbott, R. J. Neely, of Paris; W. A. [illegible] nson and John T. Collins, of Middletow[illegible] M. Bigstaff and H. Clay McKee, of [illegible] Sterling. The company proposed to bui[illegible] rom Paris, Ky., on the Louisville & Nash[illegible] southern 25 miles to Mt. Sterling on the [illegible] esapeake & Ohio. Surveys have been [illegible] ted and rights-of-way are nearly all se[illegible] d.

CLEVELAND, OHIO.—The C[illegible] and Short Line R. R., which proposes to [illegible] a belt line around Cleveland and ope[illegible] gasoline cars for passenger service, has [illegible] a contract for ten miles of grading [illegible] masonry work with JOHN MARSH, of [illegible] Green Bay, Wis., at about $1,000,000. The [illegible] contract involves unusually heavy constr[illegible] work. About 2,000,000 cu. yds. of ea[illegible] must be handled. There will be a bri[illegible] 2,000 ft. long and 160 ft. high, and a heavy [illegible] out half a mile long. The work will start [illegible] mediately.

It is reported that the Robert[illegible] & Abbott Engineering Co. will soon let [illegible] contracts for the construction of the Cleveland, Ashland & Mansfield R. R. from Mansfield to Sevill[illegible], Ohio, through Ashland, West Salem, Lodi and Leroy. The bonds have been subscribed for and nearly all the right-of-way secured. At Seville the line will connect with the Cleveland & Southwestern, making a direct line into Cleveland. Those interested are F. T. Pomeroy and A. E. Akins, of the Cleveland & Southwestern; J. F. Harper, L. J. Wolf, H. C. Lang and Levi Meashem, of Cleveland, and F. E. Myers, of Ashland. This is not the Cleveland, Ashland & Mansfield Ry.

VAN WERT, OHIO.—We are officially informed that the Cleveland, Van Wert & Indiana Traction Co., recently incorporated, is having surveys made for a road to run from Bluffton, Ind., through Decatur, Ind., Van Wert, Ottoville, Ottawa, Findlay and Tiffin, Ohio, to Norwalk, Ohio. The Riggs & Sherman Co., of Toledo, are Engrs. L. E. Gleason, Van Wert, is one of the incorporators.

DAYTON, OHIO.—It is reported that the Schoepf syndicate will build a line between Richmond and Brookville, Ohio, where connection will be made with the Dayton & Northern, which is understood to have been recently acquired by this syndicate. This will give a direct line from Dayton to Indianapolis, somewhat shorter than the Dayton & Western line. W. Kesley Schoepf is now in Indianapolis going over the plans with Hugh J. McGowan, who operates the Indiana properties of the syndicate. It is also said that the syndicate will build a line from Middletown, Ohio, to Greenfield, Ind., which would provide a short route from Cincinnati to Indianapolis.

SPRINGFIELD, OHIO.—We are officially informed that the Springfield, Troy & Piqua Ry. Co. has secured capital and will build a branch 28 miles long from Troy to Greenville. Contracts will be let about Sept. 1. F. J. Green, Springfield, is Ch. Engr.

INDIANAPOLIS, IND.—The Indianapolis, Crawfordsville & Western Ry. Co. has awarded the contract for completing its line from Indianapolis to Crawfordsville to the MOORE-MANSFIELD CONSTRUCTION CO., of Indianapolis.

KENDALLVILLE, IND.—The Kendallville & Goshen Traction Co. has filed articles of incorporation. Capital stock is $10,000. The company proposes to build an interurban railway from Kendallville to Goshen, connecting Albion, Ligonier, Rome City, Wawaka, Millersburg, Wolcottville, Lagrange and Syracuse. The directors are Arthur B. Shepherd, F. L. Welsheimer, T. A. Redmond and William Robins.

DETROIT, MICH.—The Detroit, Ypsilanti, Ann Arbor & Adrian Short Line R. R. Co., just incorporated, plans to start construction within a few weeks on a new 80-mile electric road to connect the cities named. Practically all the details have been arranged and the line will be in operation in less than two years. The company has procured all necessary franchises and a private right-of-way. It will construct a double-track line between Detroit and Belleville, entering Detroit over the Fort St. tracks of the Detroit United Rys. Co. The main line will be 59 miles long, running from Detroit to Adrian. A 15-mile branch will run from Belleville to Ypsilanti and Ann Arbor. Bayard T. Brown, Buhl Block, represents the incorporators.

LINCOLN, NEBR.—The Citizens Street Ry. plans the construction of ten miles of street railways as rapidly as it can be done. Alex. Borger is Pres.; I. M. Raymond, V.-Pres.; L. E. Wettling, Secy.; R. E. Moore, Treas. The company is in the market for cars and construction material.

KANSAS CITY, MO.—Hugh A. Holmes, Gen. Mgr. of the Kansas City & Olathe R. R. Co., announces that right-of-way has been obtained and that construction will begin at once. The road is to be rock ballasted and laid with 85-lb. steel rails. All bridges are to be of steel reinforced concrete.

EL PASO, TEX.—The franchise for a new street railway system in El Paso, which was originally granted by the City Council to George A. Nicklas, and was later sold by him to J. P. Dyer, has been transferred to E. S. Newman. It is reported that the new owner will soon start the work of constructing the new system.

McKINNEY, TEX.—R. C. Strickland, Pres. of the Dallas-Sherman Interurban Ry. has submitted a proposition to locate the $300,000 power house here and construct four miles of electric street railway in this city, provided McKinney citizens take 350 shares, the par value of which is $100. It was decided to accept the proposition.

AUSTIN, TEX.—A petition has been presented to the City Council here by Gallatin, Carroll & Co., of New York City, for a franchise and right-of-way over certain streets of the city for a belt line of electric railway. The proposed system is to be operated in connection with the interurban electric railway which Gallatin, Carroll & Co. propose to build between Austin and Lockhart. It is announced that a company to be called the Central Texas Traction Co. is to be organized by the interests represented by Gallatin, Carroll & Co., and that it is planned to build a system of interurban lines to extend south from Austin to Lockhart, New Braunfels, San Antonio and Seguin, and north from Austin to Burnet, Marble Falls and Llano. The system will have a total of about 200 miles.

DAVIS, IND. T.—The LOVEJOY CONSTRUCTION CO., of Fort Worth, Tex., has been awarded a contract by the Davis & Turner Falls Interurban line for grading its six miles of road. The line will be ready for ties about July 1. Guy V. McClure is Ch. Engr.

WATERVILLE, WASH.—Surveyors are in the field and contracts for construction of the Farmers' Co-operative Electric Co. will be let as soon as the survey is completed. The line is to run from Waterville to Euphrata, about 35 miles. The incorporators are J. M. Puckett, L. E. Leonard, W. F. Nought, O. H. Jahnke and E. E. Higginbotham, all of Waterville.

SPOKANE, WASH.—A branch line of the Spokane & Inland Ry. to connect the line now building to Palouse City with the Colfax line is reported projected. A. M. Lupfer is Ch. Engr.

SAN FRANCISCO, CAL.—The Northern Electric Co., which is building 194 miles of standard-gage electric road, traversing the valley of the Sacramento River from Red Bluff to Sacramento, by way of Chico, Oroville, Yuba City and Marysville, with branches to Colusa, Meridian and Orland, announces that the first division of 30 miles of road (Chico-Oroville division—5 miles in the city of Chico—25 miles to Chico from Oroville—is completed and in active operation. The Oroville-Yuba City-Marysville division (30½ miles) is now under construction; rails, ties and other material for this division, as well as for the line from Yuba City to Sacramento (42 miles), have been purchased, and the board of directors have given a written guaranty that the main line from Chico to Sacramento (107 miles) will be completed and in actual operation not later than April 1, 1907. Construction of the main line from Chico north to Red Bluff will be completed at the earliest possible date, following which the branch line to Colusa and Orland will be built. A high-speed interurban electric road for both freight and passenger transportation, built entirely on private right-of-way, averaging approximately 60 ft. wide, except in the cities, in all of which liberal franchises are secured for not less than 50 years. Sixty-pound steel "T" rail, laid on standard ties, gravel ballasted throughout. Directors: Louis Sloss, J. Downey Harvey, E. R. Lilienthal, Adolph Loessel, W. P. Hammon, Henry A. Butters, all of San Francisco.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

FORT ETHAN ALLEN, VT.—Specifications and bidding sheet for furnishing and installing electric light fixtures and service connections in the Administration Building, as noted in issue of May 24, are on file at the office of Engineering News, New York. Bids are asked until June 15.

ATHOL, MASS.—The town has voted to establish a municipal electric plant and appropriated $15,000 for the purpose. A board to have charge was elected as follows: Eugene Lincoln, of Templeton; C. Aylmer Smith, of Baldwinville, and C. H. Leathe, of Otter River.

MIDDLETOWN, CONN.—THE RHODE ISLAND CONTRACT ENGINEERING CO. has contract for complete installation of the plant of the Salmon River Power Co., and will purchase contractors' equipments. Cost of work proposed, $500,000.

NEW YORK, N. Y.—THE YORKVILLE ELECTRIC CO. has secured the contract for electric equipment in addition to School 100, Brooklyn, at $15,276.

BATAVIA, N. Y.—The village has granted a franchise to the Genesee County Electric Light, Power & Gas Co. to distribute Niagara Falls power.

FORT TOTTEN, N. Y.—Plans, specifications and bidding sheet for installing electric light fixtures in 13 buildings, as noted in issue of May 24, are on file at the office of Engineering News, New York. Bids are asked until June 12.

SOMERS POINT, N. J.—LYNCH BROS., Lippincott Bldg., Philadelphia, Pa., have been awarded contract for building subpower-house for the Atlantic City & Seashore R. R. Co. The building will be of brick, one story, and will cost $40,000.

HITZ, PA.—Allegheny Valley St. Ry. Co. has purchased an acre of ground at this town, and plans are under way for erection of a new power plant. New structure is to be brick and steel, several stories high, and will cost about $300,000.

DALTON, PA.—The Northern Electric St. Ry. Co., Connell Bldg., Scranton, Pa., has had plans prepared for a power-house to be built at this town, to cost $100,000. A complete line of equipment is required.

WASHINGTON, D. C.—S. H. Woodbridge, Colorado Bldg., has started plans for central heating and power plant for the Capitol Bldg., to cost about $800,000.

Bids are asked until June 5 by the Bureau of Supplies and Accounts, Navy Dept., for furnishing supplies, including electrical motors, lamps, heating furnaces, etc., at the navy yards, at Portsmouth, N. H.; Boston, Mass.; Newport, R. I.; New York, N. Y.; League Island, Pa.; Washington, D. C.; Norfolk, Va.; Mare Island, Cal., and Puget Sound, Wash. H. T. B. Harris is Paymaster-Gen., U. S. Navy.

Amendments are before the Senate to provide $94,000 for additional lights for Ambrose Channel.

Plans for the construction of a new power-house for the Capital Traction Co. at the head of 14th St. extended have been completed and a permit to begin the work was issued by the building inspector to-day. The building, which is to be of brick and two stories in height, will cost approximately $180,000.

NORFOLK, VA.—The Eastern Light Co. has been chartered here, with W. H. Carr, Pres.; Joseph H. Hopkins, Vice-Pres.; J. R. W. Perry, Treas., and W. W. Miller, Secy. D. H. Brown, Simeon Salters, J. W. Randolph, Matthew G. Boykin, J. W. Sherron, P. D. Cox, Willis Jones are directors, all of Norfolk. Capital, $50,000.

GRIFFIN, GA.—The High Falls Power Co. will put new equipment in their power-house, to cost $50,000.

SHREVEPORT, LA.—W. B. McCormick, Secy. of the Citizens' Pipe Line Co., owners of the gas wells at Ananias, announces that within 60 days the work of building a pipe line to supply natural gas to Texarkana will be started in order to carry out the franchise obtained from the two city councils of Texarkana, calling for the completion of the line by Jan. 1 next.

CHATTANOOGA, TENN.—The Chattanooga Electric Co. will immediately spend between $75,000 and $100,000 adding machinery to its power plant to produce about 22,000 HP. more than the plant is capable of supplying at present. Byron T. Burt, Mgr., states that these additions were necessitated by the rapid increase in the use of electricity in Chattanooga as well as the extra amount of power now required by the Chattanooga Railways Co. for the operation of its system.

MEMPHIS, TENN.—An addition to the power plant of the Memphis St. Ry. Co., to cost $250,000, is contemplated.

CLEVELAND, OHIO.—The Cleveland Electric Illuminating Co. will erect a new power station on West 28th St. The building will be of brick, 64 ft. wide and 94 ft. long. The general contract has been awarded to JOHN GILL & SONS.

GREENSBURG, IND.—It is reported that the Indiana Union Traction Co. is planning to erect power plant in the coal mining district, where power can be developed cheaper, and cables will be run to transmit electricity to points where it will be used.

KENDALLVILLE, IND.—The Indiana Light & Power Co. will soon ask for bids for construction of a $25,000 electric light plant. A. B. Shepard and F. B. Perkins are directors.

DECKER, IND.—White River, at Decker, at an early date is to be dammed and its waters raised to a height of 25 ft. to furnish power to operate an electrical plant that is to furnish electricity for street lighting if needed and for commercial uses of Vincennes, Mount Carmel, Evansville, Princeton, Washington and all other little towns lying on main lines running to Evansville, Vincennes and Washington. A plant that is to cost from $500,000 to $638,000 and to be operated under the name of the Indiana Hydraulic Co., which is to be incorporated under the laws of the State of Indiana at the proper time, is to be constructed.

MARTINSVILLE, ILL.—The City Council of Martinsville has granted a franchise for a gas lighting plant here to the L. N. Barnsdall Co., of Pittsburg, Pa.

CHICAGO, ILL.—A power plant is planned for this city which will consist of a steam turbine plant, and all the boilers are to be equipped with automatic stokers, so that no manual handling of the coal will be necessary. There will be an electrical kitchen, refrigerating apparatus, an ice plant, a number of bedrooms, as well as locker rooms, baths and other conveniences.

MERRILL, WIS.—Work will soon be begun to harness Grandfather Falls, one of the biggest water powers on the Wisconsin River. The power will be transmitted to Merrill and will be used by the Merrill Paper Mfg. Co. The project is in the hands of L. N. Anson, John O'Day and other Wisconsin valley capitalists. A concrete dam will be built and power-house for the electric dynamo installed.

GRAND ISLAND, NEBR.—THE MATTHEWS ELECTRIC CO., of Kansas City, Mo., is reported to have secured the contract for constructing water-works and an electric light plant for Grand Island. W. K. Palmer, Kansas City, Mo., is Engr.

WAKEFIELD, NEBR.—Bids are asked by the Village Trustees for installing a gas lighting system here. O. E. Martin is Village Clk.

RED LODGE, MONT.—A company has been incorporated, known as the Bear Creek Water Co., capital $60,000, which will supply water and electric light to the immediate vicinity.

EUREKA SPRINGS, ARK.—The King River Electric Light & Power Co., of Eureka Springs, has been chartered, with a capital of $75,000. The corporators are: G. W. Matthews, C. M. Barnes and A. E. Barnes.

PALESTINE, TEX.—Palestine Light, Heat & Power Co., of Palestine, has been incorporated, capital stock $400,000. Its purpose is to do a general lighting, heating and electric motor supplying business. Incorporators: John H. Fitzgerald, P. W. Brown, Dudley Bradstreet, of Palestine; Chas. W. Lucas, of Chicago, and E. Chandler Beach, of East St. Louis.

FORT WRIGHT (Spokane post-office), WASH.—Bids are asked until 11 a. m., June 15, by Capt. E. A. Shuttleworth, Q. M., for lighting ten buildings at the post.

PORTLAND, ORE.—The Portland General Electric Co. has applied to Council for franchise to install a steam heating plant, at cost of $200,000. The company will build plant and lay mains in all principal streets. Completion of work is promised within two years.

LOS ANGELES, CAL.—A complete power plant is to be installed at Redondo, a suburb of Los Angeles, for supplying power to the street railway system of the latter city and the surrounding towns. The Pacific Light & Power Co., of Los Angeles, has just contracted with CHARLES C. MOORE & CO., of San Francisco, for the work.

PROVO, UTAH.—The Telluride Power Co., of Provo, will install another power plant on the shores of the Utah Lake, just west of Provo. The capacity of the plant is to be 5000 HP., and will be constructed within the next four months. Salt Lake, Ogden and the smaller towns between Provo and Ogden will be furnished with light and power. Another pole line will be run to Mercer and Eureka for propelling machinery at the mines.

LEWISTON, IDAHO.—The Idaho Gas Co. has been incorporated to do business at Lewiston, with a capital of $200,000.

WEYBURN, SASK.—John Galt, of Toronto, Ont., is preparing plans for water-works and an electric light plant. N. D. McKinnon is Mayor.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

BRISTOL, N. H.—The Selectmen have awarded contract to the UNITED CONSTRUCTION CO. to erect a steel and concrete bridge over Newfound River, at Central Sq., at $4,525.

LAWRENCE, MASS.—Drawings have been completed for the proposed bridge over the Merrimack River, to be situated between the Duck and Falls bridges. A. D. Marble is City Engr.

STERLING JUNCTION, MASS.—The contract for building the approaches and grading to the new bridge over the Boston & Maine R. R. tracks at Sterling Junction is reported to have been awarded to the EASTERN BRIDGE & STRUCTURAL CO.

CAMBRIDGE, MASS.—The contract for erecting four towers on piers Nos. 5 and 6, Cambridge Bridge, has been awarded to JONES & MEEHAN, at $9,940.

NASONVILLE, R. I.—The committee to supervise the construction of the new bridge at Nasonville has decided to advertise for bids.

NEW YORK, N. Y.—Plans have been finished and contracts will be let before July 1 for approaches to the Blackwell's Island bridge. Estimated cost, $3,000,000.

John F. Ahearn, Pres. Boro. of Manhattan, has been authorized to prepare plans for a masonry viaduct over the Dyckman St. Valley, to form part of the extension of Riverside Drive to the Henry Hudson Memorial. Estimated cost, $2,500,000.

GRANTON, N. Y.—The OWEGO BRIDGE CO., Owego, is stated to have secured the contract for constructing a bridge over the West Branch at Granton, for $15,000.

GREAT NECK (L. I.), N. Y.—The construction of a concrete bridge over Udall's Pond, to replace present steel structure, is reported contemplated. Estimated cost, $14,000.

HARRISON, N. J.—The Harrison Common Council proposes to build a bridge over the Erie R. R. cut at North Fifth St., and has had C. Melville Barrie submit profile drawings and plans for the structure.

CAPE MAY, N. J.—Bids are asked until noon, June 14, for stone and steel bridge. R. Fendall Smith is County Engr.

HOMESTEAD, PA.—The Union Railroad's new bridge will consist of 20 40-ft. concrete spans over the Monongahela River. The bridge will be built on a heavy curve. F. R. McFeathers, Port Perry, is Supt.

CAMBRIDGE SPRINGS, PA.—The TOLEDO-MASSILON BRIDGE CO., of Toledo, Ohio, has been awarded the contract for building the county bridge at Cambridge Springs, at $21,245.

PHILADELPHIA, PA.—It is reported that Thomas L. Hicks, Dir. Pub. Wks., has awarded to REILLEY & RIDDLE contract to construct bridge at Walnut Lane over Wissahickon Creek. Contract price, $275,000.

WILMINGTON, DEL.—Bids are asked until June 11, by the Board of Water Commissioners for constructing bridge at Van Buren St. over the Brandywine Creek. The bridge will be constructed of reinforced concrete, will be 353 ft. long, will have eight spans and will carry a 48-in. steel water main. Thomas A. Leisen is Ch. Engr. Bd. Water Comrs.

WASHINGTON, D. C.—THE INTERSTATE ENGINEERING CO., of Cleveland, Ohio, has been awarded the contract for the bridge work on the Washington, Baltimore & Annapolis R. R., now in process of completion. The work consists of several bridges and viaducts, and the cost amounts to about $200,000. It is to be finished late in the fall.

INDIANOLA, MISS.—A contract has been let to the SOUTHERN BRIDGE CO., of Birmingham, Ala., at $25,400, for building a steel drawbridge over the Sunflower River at Boyer's Mill, the work to be completed by Jan. 1 next.

PORT GIBSON, MISS.—Bids are asked until June 4, by R. C. McCay, Chancery Blk., for building a 60-ft. steel approach to the bridge over Clark's Creek, near Martin, in Claiborne County.

MEMPHIS, TENN.—A viaduct is to be built by the Memphis & State Line R. R., on the Pigeon Roost Road, to allow its line to pass under that of the Southern Ry., the latter road to use elevated tracks. Estimated cost, $100,000. The Illinois Central R. R. has charge of the Memphis road. A. S. Baldwin is Ch. Engr.; R. E. Gaut is Engr. Bridges, both at Chicago.

TOLEDO, OHIO.—The Osborne Engineering Co., of Cleveland, Ohio, has been engaged to prepare plans for a bridge to cross the Maumee River. Frank I. Consaul is Ch. Engr. Bd. Pub. Service.

JEFFERSON, OHIO.—Bids are asked until noon, June 11, by C. C. Remick, County Audr., for construction of a reinforced concrete culvert on North Chestnut St., Jefferson.

MARIETTA, OHIO.—W. M. BRODE & SON have received contract from the Pennsylvania R. R. Co. to construct nine bridges on the Marietta Division.

HOBART, IND.—It is reported that the New York, Chicago & St. Louis Ry. contemplates putting an iron bridge across Deep at Hobart the coming summer.

ROCKVILLE, IND.—Bids are asked until June 6, by the Board of Commissioners of Parks Co., for constructing several bridges in the county.

KENTLAND, IND.—Bids are asked until June 4, by the Commissioners of Newton County, for constructing a number of steel Bridges. David Hess is Chn. Comrs.

RENSSELAER, IND.—Bids are asked until June 4, by the Commissioners of Jasper County, for repairing and erecting bridges. James N. Leatherman is County Audr.

WADDAMS GROVE, ILL.—The Highway Commissioners have let contract for bridge over the Pecatoniac River, just west of McConnell, to W. H. SHONS, at $11,949.

BLOOMINGTON, ILL.—H. S. SHADE has been given the contract for erecting a concrete bridge in Money Creek Township.

DULUTH, MINN.—Bids are asked until 9.30 a. m., June 7, by O. Halden, County Audr., for erection of four bridges in the County of St. Louis.

BELGRADE, MINN.—Bids are asked until 10 a. m., June 4, by the Supervisor of Belgrade Township, for constructing three stone bridges in this town. William Peterson is Town Clk.

NEWTON, KANS.—Board of County Commissioners, of Harvey County, will advertise for bids after June 12, for construction of bridge over Sand Creek at Sedgwick, Kans., B. O. Hagan is County Clk.

NEWBURG, N. DAK.—THE NORTHWEST BRIDGE CO., of Newburg, has contract for building bridge over the Mouse River, at $2,262. Other work and material for this bridge will cost the county about $7,275.

BOURBON, MO.—Bids are asked until June 5, by G. L. W. Smith, of Hinch, Mo., at Steelville, Mo., for building a steel bridge 300 ft. long over Meramec River, in Crawford County. William C. Evans is County Clk.

KANSAS CITY, MO.—A movement is on foot in the Council to replace the present wooden bridge at Sheffield with stone structure to cost about $7,000.

SPRINGFIELD, MO.—The city engineer has completed plans for bridges over the Jordan River, which will cost from $2,000 to $5,000.

FORT SMITH, ARK.—Plans are being prepared for the construction of a new bridge over the Arkansas River at this point, by the St. Louis, Iron Mountain & Southern Ry. The present bridge is for a single track and the new one is to be for two. The cost will be between $450,000 and $500,000. A. I. Baker is Superv. Bridges and Bldgs., Baring Cross, Ark.

CORPUS CHRISTI, TEX.—It is reported that the contract for constructing an iron bridge over Nueces River, at Santa Margarita Crossing, has been awarded to C. Q. HORTON, of Austin, at $6,394.

TAYLOR, TEX.—The county is preparing to erect an iron bridge, to cost between $3,000 and $4,000, on Brushy, seven miles southeast of Taylor, and work is to begin at once.

AUSTIN, TEX.—The International & Great Northern R. R. Co. is having all the wooden bridges on its road between Austin and San Antonio replaced by steel structures. This will cost about $500,000. Leroy Trice is Gen. Mgr.; O. H. Crittenden is Res. Engr.

FORT GIBSON, IND. T.—The Muskogee Electric Traction Co. has had plans prepared for construction of a bridge to span the Arkansas River between this city and Muskogee at a cost of $130,000.

ALAMOSA, COLO.—Bids are asked until June 16, by T. W. Jaycox, State Engr., at Denver, for constructing a wooden bridge 504 ft. in length across Rio Grande River at Alamosa.

COLVILLE, WASH.—The Senate has passed a bill providing for erection of a bridge over the Pend d'Orville River, Stevens County.

EVERETT, WASH.—The plans submitted to the Council by the city engineer for a new bridge have been accepted. Estimated cost, $68,000.

SALEM, ORE.—Bids are asked until June 8, by the Clerk of Marion County, at Salem, for thoroughly repairing and decking the east approach to the steel bridge at Salem.

SALINAS, CAL.—Bids are asked until 2 p. m., June 4, by the Board of Supervisors, for repair and reconstruction of bridges at Neponset, Hilltown and Gonsales; also for construction of three jetties.

LEMOORE, CAL.—Bids are asked until 10 a. m., June 4, by John P. Cook, Clk. of Supervs., for erecting concrete bridge across Cottonwood Creek.

SANTA MONICA, CAL.—PAUL H. EHLERS and H. G. BEAUN have been awarded contract to build four concrete bridges over the Playa del Rey lagoon, involving a cost of $22,000.

FRESNO, CAL.—The Edison Power Co. will build a bridge at Trimmers Springs, to cost not less than $15,000.

LAKEPORT, CAL.—Bids are asked until July 2, by Shafter Mathews, Clk., for erecting steel bridge across Scott's Creek. We are officially advised that the bridge will have 150-ft span, and will be 16 ft. wide. O. A. Wilson, 1001 22d Ave., East Oakland, is Des. Engr.

CAMPBELLTON, N. B.—The Dominion Parliament has granted to Thomas Malcolm a charter to build a railway and passenger bridge across the Restigouche River, and surveys have been commenced. The bridge will be located at Christie's Point, will be 3,200 ft. long, and will cost about $600,000.

WINCHESTER, ONT.—Bids are asked until noon, June 8, by Thomas H. Dunn, Engr.-in-Charge, for building bridge at Winchester Springs. Edward Walsh, Dunbar, Ont., is Chn. of Com.

CORNWALL, ONT.—Bids are asked until noon, June 18, by Adrian I. McDonell, County Clk., for two county bridges, to be built of steel and masonry.

BRANDON, MAN.—We are officially advised that the bridge to be built across the Assiniboine River, at this city, will be located at 18th St., will have two 150-ft. spans on concrete piers, and street railway cars will use it. W. H. Shillinglaw is City Engr.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

WHITMAN, MASS. — The Town Council has appropriated $97,000 for the construction of a Town Hall. A. D. B. Butler is Chn. Bldg. Com.

BOSTON, MASS.—Plans for the erection of a clubhouse for the Intercolonial Club are completed. They provide for a 4-story building, brick and stone, to cost $115,000. J. P. CAMPBELL, of Jamaica Plain, has been awarded the contract.

Bids are asked until June 1, by J. L. Faxon, Arch., 120 Boylston St., for remodelling the Kensington Hotel. New walls and partitions are to be put in. H. B. Williams is owner. Estimated cost is $50,000.

WORCESTER, MASS.—The CENTRAL BUILDING CO., 58 Front St., has secured the contract to erect the electrical engineering building at the Worcester Polytechnic Institute, at an approximate cost of $125,000.

SOMERVILLE, MASS.—Bids are asked until June 4 by S. D. Kelley, Arch., 209 Washington St., Boston, for the construction of a double store and flat building. Estimated cost, $60,000.

ALBANY, N. Y.—F. W. Higgins, Gov., has signed the bill appropriating $350,000 for the rebuilding of the Albany Normal College recently burned and providing for an exchange of sites with the Albany Orphan Asylum and the payment to the Orphan Asylum of $75,000.

Contract for the erection of an auditorium has been let to CHAS. R. PRESTON & SON, of Watervliet, N. Y., at about $50,000. Building is to be of concrete and steel. Chas. G. Ogden, 61 State St., is Arch.

NEW YORK, N. Y.—Bids are asked until June 11 by Capt. F. G. Knabenshue, Constr. Q. M., U. S. A., Governor's Island, for constructing a set of officers' quarters at Ft. Jay.

A syndicate headed by John R. Bartlett has purchased the block bounded by West, Washington, Reade and Duane Sts. The plot has a frontage of about 70 ft. in both West and Washington Sts., 270 ft. in Duane St., and 266 ft. in Reade St. It is to be improved by the syndicate with a fourteen story building. The stores and basement will be leased to produce and fruit houses, while in the upper part of the building will be a refrigerating plant. The building and land will represent, it is said, an investment of $1,200,000.

Extensive alterations will be made soon to the city house of John Jacob Astor, at 844 Fifth Ave. A two-story rear extension is to be built, the present south bay removed and the interior remodelled generally and refitted with floors reinforced with steel beams. Chas. A. Platt, 36 East 20th St., is Arch.

The FOUNDATION CO., 35 Nassau St., has been awarded the contract and will put in the foundations for the new Trinity Building, which, when completed, will be the largest office building in the world. The foundations for the entire building will be of solid concrete, installed by pneumatic caissons carried down to bed rock, an average of 85 ft. below the Broadway curb.

Edmund C. Coffin, it is stated, will erect an 8-story warehouse at 244 West 49th St., at a cost of $200,000, according to plans prepared by Hill & Stout, Archs., 1123 Broadway.

Plans have been filed for an 8-story loft and store building to be erected for the Eastman Kodak Co., at 235 West 23d St., at a cost of $65,000. McKim, Mead & White, 160 Fifth Ave., are Archs.

The PASSAIC STEEL CO., of Paterson, N. J., has been awarded the contract for all structural steel work for the 11-story office building, at 25 and 27 Liberty St., and 56 Maiden lane. R. H. MacDonald & Co. are the general contractors; Butler & Rodman, 16 East 23d St., Archs., and S. O. Miller, Engr.

It is officially announced that contracts for the construction of the Pennsylvania R. R. Co.'s terminal at 33d St. and Seventh Ave., and the terminal for the Hudson River tunnels at Cortland St., have been awarded to the GEORGE A. FULLER CONSTRUCTION CO., Fuller Building, New York. Figures as to the terms of the contracts were not announced, but it is said that the structure for the McAdoo terminal at Cortlandt St., will cost $8,000,000 and the Pennsylvania terminal $25,000,000. This will be the largest contract of the kind ever awarded, and when completed the Pennsylvania terminal will be the largest structure of its kind in existence. This contract is merely for the Manhattan terminal and does not include any of the structures to be put up in Long Island City in connection with the Pennsylvania tunnel. Paul Starrett, Pres. of the Fuller Company, says work will begin on both contracts as soon as possible, and that his company expects to have both structures finished within eighteen months. The FULLER CO. has let a subcontract for all steel to be used in the Cortlandt St. terminal to the AMERICAN BRIDGE CO.

DOLGEVILLE, N. Y.—Bids are asked until 8 p. m., June 12, by Thomas George, Village Clk., for constructing concrete block building with reinforced concrete floor and roof. (Advertised, Engineering News.)

ATLANTIC CITY, N. J.—JOSEPH STEELMAN, of Bridgeton, N. J., has been awarded the contract for a 3-story stone and brick school for the Board of Education, at about $50,000.

SPRING CITY, PA.—JOHN R. WIGGINS & CO., of Philadelphia, have been awarded the contract to erect the asylum for the feeble-minded and epileptics at Spring City at $364,000 with an extra building to cost $48,000.

PHILADELPHIA, PA.—Wilson, Harris & Richards, Archs., Drexel Bldg., are preparing plans for an office building at Broad and Springarden Sts., for the Baldwin Locomotive Works. Estimated cost, $100,000.

Herman Miller, Arch., Crozer Bldg., has been engaged to prepare plans for a 6-story building to be erected for the Medico-Chirurgical Hospital at 18th and Cherry Sts., at a cost of $95,000.

ROYDHOUSE, AREY & CO., Fidelity Bldg., have been awarded the contract for erecting the $75,000 6-story brick and terra cotta bank and office building, 22 × 80 ft., at Fourth and Market Sts., for the Central Trust Co. W. C. Furber, 624 Walnut St., is Arch. Mentioned on May 8.

A. RAYMOND RAFF, 1635 Thompson St., has been awarded the contract to erect a bank building for the Union National Bank Co., at Third and Arch Sts., at $100,000.

The I. W. ALLISON CO., has been granted a permit for floors, columns, roof and footings of reinforced concrete for the 10-story building at 919 Walnut St., for C. C. Harrison. The cost will be $135,000.

WM. STEELE & SONS, 16th and Arch Sts., have received the contract to build an addition to the colonial apartment house at 11th and Spruce Sts.

PITTSBURG, PA.—Frank H. DeArment, Arch., Fulton Bldg., has been commissioned to prepare plans for an 8-story fireproof addition to the Hotel Lamont at Spahr and Adler Sts., to cost $200,000. J. T. Keil is owner.

James Riley, proprietor of the Schenley Hotel, is reported to be interested in the erection of a 19-story brick and granite hotel at Seventh Ave. and Smithfield St., to cost about $4,500,000.

D. H. Burnham & Co., Archs., Railway Exchange Bldg., Chicago, have made preliminary sketches for a store and office building to be built on Smithfield St., extending from Sixth to Oliver Ave., for the estate of Henry W. Oliver, represented by Henry W. Wass, Gazette Bldg., Pittsburg. It will be 24-story, 216 × 120 ft. of steel construction, and cost $3,000,000.

BALTIMORE, MD.—J. HENRY MILLER, 110 Dover St., Baltimore, Md., has received contract for erecting a 6-story concrete and brick store for the Snellenburg Clothing Co., at Baltimore St. and McLane Place, at $61,600.

ANNAPOLIS, MD.—Bids are asked until noon, June 21, by the Navy Department, Washington, for building a gun shed at the U. S. Naval Academy, Annapolis. Truman H. Newberry is Asst. Secy. (Advertised, Engineering News.)

WASHINGTON, D. C.—It is reported that G. O. Totten, Jr., Arch., 1721 Rhode Island Ave., N. W., is taking bids for the construction of a 4-story, brick and stone residence for Gardiner F. Williams to be erected at 22d and R Sts.

At the general conference of the Methodist Episcopal Church South at Birmingham, Ala., on May 18, the report of the Committee on Church Extension, recommending the erection of a representative church at Washington, at a cost of $275,000, was adopted.

The Capital Traction Co. has secured a permit to erect a 2-story brick car barn at 14th and Decatur Sts., at an estimated cost of $180,000. RICHARDSON & BURGESS, INC., Colorado Bldg., have the contract.

NORFOLK, VA.—Contract for constructing the Botetourt apartments has been awarded by Breeze & Mitchell, the Archs., to E. TATTERSON, the lowest bidder, at $93,961.

CHARLESTON, W. VA.—Bids are asked until June 15, by W. F. Daum, Secy. Bldg. Com., of the Y. M. C. A., for the erection of an association building to cost about $60,000. Harding & Upman, 1316 G St., N. W., Washington, D. C., are Archs.

RALEIGH, N. C.—Contract for the construction of a new 8-story temple for the local Masonic lodge has been awarded to M. DE LION, of Atlanta, Ga.

NEWBERRY, S. C.—Bids are asked until June 5 by Chas. C. Williamson, Arch., 1302 Main St., Columbia, for erecting an edifice for the First Baptist Church.

SUMTER, S. C.—Bids are asked until June 19, for the erection of a county courthouse to cost about $70,000. Edwards & Walter, Loan and Exchange Bldg., Columbia, are Archs.

BLACKSBURG, S. C.—Bids are asked until June 1 by W. E. Anderson, Chn. Bldg. Com., for erecting a cement block edifice for the Blacksburg M. E. Church.

PENSACOLA, FLA.—All bids for the construction of the New City Hall were rejected by the Board of Bond Trustees on May 21. All were in excess of the appropriation. The architect will modify the plans, and the city will again advertise for new bids. Chas. H. Bliss is Mayor.

NEW ORLEANS, LA. — The AMERICAN BRIDGE CO., of Pittsburg, Pa., has been awarded the contract for erecting the new lumber manufacturing plant, including saw mill, power plant, dry kilns, docks, planing mill, etc., for the Great Southern Lumber Co., at Bogalusa. STEVENSON & ADAMS, Pittsburg, Pa., have the contract at $87,000 for erecting forty houses for the managers and clerical force. T. J. SHEA, of New Orleans, La., has the contract at $100,000 for excavations and concrete foundations. The mills and houses will form a new city to be called Bogalusa, and will cost about $1,500,000. F. H. Goodyear, 530 Ellicott Sq., Buffalo, N. Y. is Pres.

WOODFIELD, O.—EVANS & CO., of Zanesville, it is reported, have secured the contract to erect the court house at $126,000.

DAYTON, OHIO.—Contract for the erection of a new Y. M. C. A. building has been awarded to the NOEL CONSTRUCTION CO., of Baltimore, Md., at $550,000.

BLOOMINGTON, IND.—Wing & Mahurin, Archs., of Ft. Wayne, have been engaged to prepare plans for a new court house, which is to be erected at a cost of $115,000. U. S. Hanna is City Engr.

TERRE HAUTE, IND.—Bids are asked by Rev. L. E. Sellers, pastor, for the construction of a new building for the Central Christian Church. Estimated cost is $65,000.

KALAMAZOO, MICH.—Field, Hinchman & Smith, Archs., 710 Washington Arcade Bldg., Detroit, Mich., have been commissioned by the Arcade Hotel Co., Burdick House, Kalamazoo, to prepare plans and specifications for a 5-story hotel, to cost $75,000.

LAKE FOREST, ILL.—It is stated that three buildings are to be erected at the Lake Forest College—a dormitory, a library and a science hall, the total cost to be about $120,000.

CHICAGO, ILL.—Pond & Pond, Archs., Steinway Hall Bldg., 17 Van Buren St., have completed plans for and are taking figures on an addition to the Chicago Telephone Co.'s headquarters, at Washington and Franklin Sts. It will be a 12-story building, 80 × 80 ft., and is estimated to cost approximately $750,000.

The WARREN MANUFACTURING CO., Blackhawk St. and Smith Ave., have the mill work for the addition to the Fisher Building, to be built at 279 Dearborn St. It will be 20-story, 50 × 70 ft., with terra cotta exterior, and cost $300,000.

C. A. Eckstrom, Arch., 131 La Salle St., is preparing plans for a building to contain stores, silversmiths' shops and studios, to be built at Michigan Ave. and Harrison St., for Mrs. Julia F. Heyworth, to cost about $250,000.

Marshall & Fox, Archs., 934 First National Bank Bldg., have finished plans for and are taking figures on a club building to be erected at 15 to 19 Plymouth Court for the Chicago Automobile Club. It will be 6-story, 96 × 96 ft., and cost about $200,000.

TOMAH, WIS.—Bids are asked until June 14 by C. F. Larrabee, Acting Comr. Indian Affairs, Washington, D. C., for furnishing material and constructing a brick dormitory with plumbing, steam heat and electric light at the Tomah Indian School. L. M. Compton is Supt.

MILWAUKEE, WIS.—We are officially informed that the MODERN STEEL STRUCTURAL CO., of Waukesha, Wis., has been awarded the contract for all steel work on the new stock house for the Schlitz Brewing Co., at $64,000.

JACKSON, MINN.—Bids are asked by the Board of County Commissioners for the erection of a court-house to cost about $80,000. Bids for foundation separate. Buechner & Orth, 602 Manhattan Bldg., St. Paul, are Archs.

ST. PETERS, MINN.—Contract for the erection of a jail and sheriff's residence have been awarded to J. E. NELSON & CO., of Mankato, Minn., at $12,581. The PAULY JAIL CO., of St. Louis, Mo., has the contract for cell work. A. J. Van Deusen, Arch., of Winona, prepared plans.

OMAHA, NEB.—J. J. HANIGHEN, 403 S. 15th St., has secured the contract for the heating and plumbing work in the J. L. Brandeis & Sons Bldg., at $53,500.

ST. LOUIS, MO.—Barnett, Haynes & Barnett, Archs., Frisco Bldg., are preparing plans for a new church building for St. Rose's parish, to cost about $100,000.

HARVEY & HALL, 721 Olive St., have been awarded the contract for the erection of the new public library at about $80,000. Mauran, Russell & Garden, Archs., 1620 Chemical Bldg., prepared plans.

KANSAS CITY, MO.—Jarvis Hunt, Arch., Monadnock Bldg., Chicago, Ill., is preparing plans for a bank and office building to be built at Kansas City for the Bank of Commerce National Bank. It is to be 14-story, of fireproof construction, and is estimated to cost $1,250,000.

DENVER, COLO.—Leon Coquard, Arch., 169 First St., Detroit, Mich., is preparing plans for a cathedral for the Roman Catholic Church of the Immaculate Conception, at Denver. To be 125 × 200 ft., of Colorado stone and brick, and cost $125,000.

WALLA WALLA, WASH.—McLEAN & McCALLUM, it is stated, have secured the contract to erect the Y. M. C. A. building at $53,960.

LOS ANGELES, CAL.—The Atchison, Topeka & Santa Fe has awarded a contract to CARL LEONARDT for building a reinforced concrete freight house to be 1,320 × 91 ft., to cost $250,000.

HASTIE & DOUGAN, of Portland, Ore., have been awarded the general contract for building the new federal building here, at about $1,000,000.

SAN DIEGO, CAL.—S. W. Belding, Secy. High School Bd., writes that F. S. Allen, of Pasadena, is Arch. for the high school to be erected at a cost of $120,000. Bids for the erection of the building will be received about Sept. 1.

WINNIPEG, MAN.—A new opera house is to be built in this city by E. P. Walker, manager of the Walker Circuit, which includes Winnipeg and five American cities. Contract has been awarded to the CANADIAN WHITE CO., of Montreal, at $185,000.

PROPOSED W[illegible]RK

ENGINEERING NEWS desi[illegible] to obtain the **earliest possible** [illegible]able in**formation** concerning al[illegible]ojected work. We will apprecia[illegible]ny items that you may send us. Co[illegible] containing such information will [illegible]mailed to you, upon request.

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Editor Construction [illegible]ws

WATER SUPPLY—IR[illegible]GATION.

The names of parties awarde[illegible]ntracts are printed in capital l[illegible].

EDGARTOWN, MASS.—Bids [illegible] asked until June 11, at the Water Dep[illegible]r erecting stand-pipe at Edgartown. (A[illegible]tised, Engineering News.)

LAWRENCE, MASS.—We ar[illegible]ficially advised that the bids received M[illegible] 25 by the City Clerk for work and mat[illegible] for filter plant are as follows: M. O'M[illegible]ney, Lawrence, $47,543; Coleman Bros., [illegible]ston, $54,545; William H. Ward and A[illegible] Coombs, Lowell, $64,197; Cole & Holla[illegible] Lawrence, $72,176; C. E. Trumbull Co., [illegible]oston, $78,525; Burns, Salomone & Pe[illegible], Boston, $85,085. Arthur D. Marble is C[illegible] Engr.

WINTHROP, MASS.—Plans, [illegible]ecifications and bidding sheet for water sy[illegible]m at Fort Banks, as noted in issue of M[illegible] 24, are on file at the office of Engineerin[illegible] News, New York. Bids are asked until June 4.

PROVIDENCE, R. I.—The [illegible]illage of Waterford is to have a water-w[illegible]ks system, which will be installed by th[illegible] American Woolen Co. Plans have already been made for laying half a mile of pipe.

LAKEVILLE, CONN.—Bids ar[illegible] asked until June 1 by the Lakeville Wa[illegible] Co. for building a dam. George Knight i[illegible] Treas.

BUFFALO, N. Y.—A valve hou[illegible], to cost about $75,000, will be built on the triangle bounded by Front and Massachusetts Aves. and Seventh St.

LONG ISLAND CITY (L. I.), N. Y.—Surveys are being made with the view of increasing the water supply of this city by adding more pumps and sinking wells.

CARTHAGE, N. Y.—The Water Commissioners have awarded to JOHN THOMPSON the contract for extension of the water mains on South Washington and South Clinton Sts. The contractor will begin work at once.

PEEKSKILL, N. Y.—Surveyors employed by the Board of Water Commissioners are surveying near Van Cortlandtville for the reservoir which it is expected will be built in that vicinity in the near future.

NEW YORK, N. Y.—To carry out the new scheme of supplying New York with water from the Catskills, eight large reservoirs will be required, which will cover an area of 16,000 acres. There must also be an aqueduct 96 miles long. John B. Ellison is Comr. Dept. Water Supply, Gas and Electricity.

NEW YORK, N. Y.—We are officially advised that the bids received by William B. Ellison, Comr. Water Supply, Gas and Electricity, for furnishing, delivering and laying 72-in. water mains in Brooklyn Borough including excavating and back-filling, were as follows: Cranford Co., 52 Ninth St., Brooklyn, $1,302,238; James H. Holmes Co., 271 North Sixth St., Brooklyn, $1,347,311; John McNamee, 1222 Herkimer St., Brooklyn, $1,271,543; P. J. Murray, 26 Court St., Brooklyn, $1,267,190; M. J. Dady, 350 Fulton St., Brooklyn, $1,265,455; Borough Construction Co., 44 Court St., Brooklyn, $1,293,813; T. A. Gillespie Co., 71 Broadway, New York, $1,143,105; Remmington-Sherman Co., 359 Broadway, New York, $1,369,905.

CALDWELL, N. J.—The Borough Council has awarded contract to the WARREN FOUNDRY AND MACHINE CO., 160 Broadway, New York, for 4-in. c.-i. pipe at $31 a ton, and 6-in. at $30.80. ROBERT W. SMITH was awarded contract for pipe laying. James Owen is Boro. Engr.

DIAMOND, PA.—The Diamond Water Co. is considering the construction of a reservoir, to be situated on a higher level than the present one.

PITTSBURG, PA.—The Select Council has passed ordinances providing for an issue of $500,000 of bonds for extending water mains in the 32d Ward.

HOMESTEAD, PA.—Bids are asked until June 4 by Andrew Hill, Boro. Clerk, for furnishing and installing complete battery of 2-flue boilers in the borough pumping station.

PLAINFIELD, PA.—A company incorporated under the State laws recently was the Bloomsbury Water Co., with a registered office in Plainfield. The company is to build a water plant for Bloomsbury.

PHILADELPHIA, PA.—Bids are asked until noon June 12, and not June 4, as advertised in issue May 10, for the Torresdale distributing system, comprising about 23 miles of 48-in. c.-i. or steel pipe. Thomas L. Hicks is Dir. Dept. of Pub. Wks.

KENTWOOD, LA.—It is reported that Kentwood intends to install a water-works system.

NEW ORLEANS, LA.—Griffin O'Neil, of Dallas, Tex., has completed plans, specifications and estimates for a water-works plant for New Orleans. The plans include the erection of a pumping station and a 10-in. belt pipe around the city, to cost, in all, about $100,000.

NASHVILLE, TENN.—We are officially advised that the Board of Public Works has awarded to the HERSEY MFG. CO., of Boston, contract to supply this city with 325 water meters, total cost, $3,453. John T. Ahearn is Supt.

MARION, IND.—The Board of Public Works has granted the petition of a number of citizens and the city water mains will be extended 600 ft. on Fourth St. T. E. Petrie is City Engr.

FLORA, IND.—Flora Water Co. has been incorporated; capital stock $25,000, to construct a water-works plant at Flora.

FRANKFORT, IND.—We are officially advised that the water company of this town has been granted a new franchise and it will require new machinery for its plant.

FRANKENMUTH, MICH.—A reservoir, to be built at Church and Franklin Sts., is under consideration.

WYANDOTTE, MICH.—Bids are asked until 6 p. m., June 6, by the Board of Public Works for material for 4½ miles of 4, 6 and 8-in. water main, including hydrants, valves, fittings and pig lead, and for laying the same. Specifications are on file at the offices of Engineering News, New York and Chicago. James G. Pinson is Clk; Jerome H. Bishop is Mayor. (Advertised, Engineering News.)

CHIPPEWA FALLS, WIS.—The Council has adopted an ordinance requiring the water company here to extend water mains 528 ft.

KELLIHER, MINN.—It is reported that the Duluth Engineering Co., of Duluth, is preparing plans for water-works to cost about $6,000.

TORAH, MINN.—It is reported that the town has voted $15,000 to construct water-works system. S. S. Chute, of St. Cloud, is Engr.

VIRGINIA, MINN.—The Light & Water Co. is reported to have decided to extend its mains on 24 blocks.

TOBIAS, NEBR.—The NATIONAL CONSTRUCTING CO., of South Bend, Ind., has the contract to install the new water-works system at Tobias.

WHITEFISH, MONT.—The town of Whitefish will expend $30,000 in installing new water-works system.

MEETEETSE, WYO.—Bids are asked until June 11 for constructing water-works, to cost about $10,000. E. W. Hewitt is City Clk.

BROWNSVILLE, TEX.—Bids, in triplicate, are asked until noon, June 15, by Lieut.-Col. Robert R. Stevens, Constr. Q. M., at San Antonio, for constructing an extension to the water distributing system at Fort Brown.

AUSTIN, TEX.—The city engineer has been instructed by the Water and Light Committee to extend an 8-in. water main to Camp Malbry to supply water to the troops at the State encampment. C. E. Leonard is City Engr.

HOUSTON, TEX.—The City Council has passed an ordinance calling an election, to be held June 21, for the purpose of voting on the proposition to issue $450,000 of bonds, to be applied to the purchase of the water-works plant.

TUSCON, ARIZ.—Bids are asked until noon, June 8, for material for construction of water-works system.

CHICKASHA, IND. T.—An election recently held on the proposition of issuing $90,000 of bonds resulted in a large vote in the affirmative.

HOQUIAM, WASH.—Surveys have been started for a reservoir to be built by the Hoquiam Water Co. on Campbell's Hill. The reservoir will have a capacity of about 1,000,000 gallons, and will cost $20,000.

LOOMIS, WASH.—Surveys have been completed for water system to be installed at Loomis, and work will be begun this season.

PORTLAND, ORE.—Bids are asked until noon, June 14, by Dan. J. Maher, Clk. Port Bd., for furnishing 1,000 ft. of 30-in. shore pipe.

ALTURAS, CAL.—Bids are asked until June 25 for construction of water-works, to cost about $20,000. John A. Volckland is Town Clk.

NAPA, CAL.—It is reported that the reservoir to be constructed for the State Hospital at Napa will cost about $30,000. M. A. Nurse is State Engr.

ROSEVILLE, CAL.—Bids are asked until June 5 by the Supervisors of Roseville for franchise to lay, maintain and operate water pipes in this town. William Kilge is Chn.; J. B. Landis is Clk.

RATHDRUM, IDAHO.—Bids are asked until June 9 for improvements to water-works at this place, for which $7,500 of bonds have been voted.

HAILEY, IDAHO.—Bids are asked until July 1 by Leo Cramer for construction of water-works, to cost between $25,000 and $30,000.

RICHMOND, QUE.—The Council has passed an ordinance for improving the water-works plant here at a cost of $25,000.

MOOSE JAW, SASK.—See under Sewers.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

BANGOR, ME.—The City Council has passed a vote ordering a sewer to be built from Veacie St. to Stillwater Ave., thence from Elm to Chester Sts. P. H. Coobs is City Engr.

NASHUA, N. H.—The City Council will be asked to appropriate $20,000 for building a 24-in. trunk line sewer in the southern and southwestern parts of the city, 48,000 ft. in length. E. J. Johnson is City Engr.

GREEN ISLAND (Troy Post Office), N. Y.—Bids are asked until 8 p. m., June 8, by the Public Improvement Commission, at the Corporation Hall, Green Island, for constructing a storm sewer in George St. James H. McCoubrey is Pres.; W. H. Jarvis is Secy.

WHITE PLAINS, N. Y.—Bids are asked until 8 p. m., June 4, by the Board of Trustees for constructing a lateral sewer in Greenburgh and Hall Aves. J. H. Carpenter is Village Engr.; Peter Paulding is Clk.

NIAGARA FALLS, N. Y.—We are officially informed that contract for constructing tunnel trunk sewer at Park Ave. has been let by the Board of Public Works to W. H. COOKMAN, at $6,896.

The Board of Public Works has been given the necessary authority to advertise for bids for constructing sewers to amount to about $56,000.

RAY BROOK, N. Y.—We are officially advised that the New York State Hospital, at Ray Brook, is to build a dosing tank and two ½-acre sewage disposal beds this summer. Robert Spurr Weston, 14 Beacon St., Boston, is Engr.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 6, by Bird S. Coler, Pres. Boro. of Brooklyn, for constructing two sewer basins at the junction of Grant and Union Aves.; also for constructing one sewer basin at the junction of Atlantic Ave. and Russell Pl.

Bids are asked until 11 a. m., June 13, by Bird S. Coler, Pres. Boro. of Brooklyn, for constructing sewers in Fourth Ave., from 82d to 86th Sts.; in Eighth St. from Second Ave. to end of the present sewer. Also for a number of sewer basins.

BUFFALO, N. Y.—Bids are asked until June 6 by the Department of Public Works for constructing a 27-in. brick sewer in Potters Corners Road. F. G. Ward is Comr.

SUMMIT, N. J.—We are officially advised that contract for pumping station and about 15,700 ft. of 8 to 15-in. sewer pipe will be let probably in July. Edward D. Rich is City Engr. Chester C. Henry is City Clk.

TRENTON, N. J.—The City has given notice of its intention to construct a sewer in Bridge St. from Fair to Warren Sts. Harry B. Salter is City Clk. C. C. Havens is City Engr.

MEYERSDALE, PA.—Bids are asked until June 4 by W. A. Shoemaker, Secy. of Council, for construction of a sewer in Broadway St.

BALTIMORE, MD.—Plans for constructing sewage pumping station have been prepared by the chief engineer, and approved by the Sewerage Commission.

WASHINGTON, D. C.—Bids are asked until noon, June 18, by the Commissioners, for constructing sewer. H. B. F. Macfarland, Henry L. West and John Biddle are Comrs. (Advertised Engineering News.)

HUNTINGTON, W. VA.—Bids are asked until noon, June 4, by John Coon, Chn. St. Com., for brick and tile sewers for the First Ward Sewage System. Leete & Maupin are Engrs. (Advertised Engineering News.)

AUGUSTA, GA.—Bids are asked for constructing sewer in West End. The sewer will be from four to seven ft. in diameter.

KNOXVILLE, TENN.—Bids are asked by W. O. White, Chn. Bd. Pub. Wks., for construction of storm and sanitary sewers. Estimated cost, $6,000. W. C. Crozer is City Engr.

CINCINNATI, OHIO.—We are officially advised that Lockland is considering the proposition to construct sanitary and storm sewers. Albert H. Rolef is Clk. The Riggs-Sherman Co., Toledo, are Des. Engrs.

MIDDLETOWN, OHIO.—The city engineer has received instructions to prepare plans for the proposed sewer to run along Clark and Crane Sts.

CLEVELAND, OHIO.—The Board of Public Service is planning to install a sewage filtration plant in the gully spanned by the South Brooklyn bridge.

AKRON, OHIO.—The engineer's estimate of cost to reconstruct main sanitary sewer amounts to $4,997.

TOLEDO, OHIO.—The Council is considering the advisability of building an $8,000 sewer from Ottawa St. across the bayou to the river, in order to do away with the unsanitary conditions.

LORAIN, OHIO.—Bids are asked until noon June 2, by the Board of Public Service, for constructing sewers in various streets. J. R. Nichols is City Engr.

PORTSMOUTH, OHIO.—Bids are asked until June 1, by the Board of Public Service, for constructing a storm sewer in the Thompson Addition, requiring about 700 lin. ft. 24-in. and 162 lin. ft. 15-in. tile sewers, etc.; also an extension of the Vine Alley branch sanitary sewer in District No. 1, requiring about 900 lin. ft. 8-in. and 408 lin. ft. 6-in. tile sewers. Charles F. Schurmann is Clk.

JEFFERSON, OHIO.—Bids are asked until June 11, by P. C. Remick, County Audr., for construction of concrete culvert on North Chestnut St.

COLLINWOOD, O.—Bids are asked until June 12, by the Board of Public Service, for constructing the main intercepting sewer outlet, consisting of laying approximately 2,600 ft. of outlet pipe in Lake Erie and constructing settling basins and other appurtenances in the village of Collinwood. A. R. Callow, Cleveland, is Secy.

RAVENNA, OHIO.—It is reported that the contract for constructing sewer system at Ravenna has been awarded to the HANLON CONSTRUCTION CO., of Cleveland.

MICHIGAN CITY, IND.—Michigan City is planning the construction of a trunk sewer on the south side to cost $180,000. Harry M. Miles is City Engr.

NEW ALBANY, IND.—The MARION COUNTY CONSTRUCTION CO. has been awarded the contract by the Board of Public Works to construct a sewer on Culberson Ave., east of Vincennes St.

VAN BUREN, IND.—The lowest bid received by the Van Buren Town Board, for constructing sanitary sewer, was that of Mackey & Benner, of Marion, at $4,828.

JASONVILLE, IND.—The Board of Town Trustees has passed resolutions to install a sewerage system here.

INDIANAPOLIS, IND.—Bids are asked until June 1 for construction of local sewer in Fountain St., from Bloyd to Roosevelt Aves. Also for constructing a main drain in Armstrong Park, from 31st to 36th Sts. Blaine H. Miller is City Engr.

BIRMINGHAM, MICH.—We are officially advised that the Riggs & Sherman Co., of Toledo, Ohio, will prepare plans and specifications for a system of sewers at the Village of Birmingham.

GRAND RAPIDS, MICH.—Bids are asked until 2 p. m., June 15, by the Board of Public Works, James E. Keegan, Pres., for constructing what is to be known as the South End Sewer System. L. W. Anderson is City Engr.

QUINCY, ILL.—It is reported that the proposed sanitary sewer will cost about $21,000. John A. Steinback is Mayor. T. L. Hancock is City Engr.

DAVENPORT, IOWA.—Bids are asked until 2 p. m., June 5, by the Board of Public Works, for constructing sewers in various streets. Thomas Murray is City Engr.

DES MOINES, IOWA.—Bids are asked until June 4, by the Board of Public Works, for constructing sewers.

Bids are asked until June 11, by the Board of Public Works, for constructing 12-in. vitrified clay sewer in Ninth St. J. W. Wise is Chn. Bd. Pub. Wks. J. W. Judd is City Engr.

MINNEAPOLIS, MINN.—The City Council has received petitions and will advertise for bids for several extensions of the present sewer system, the cost of the improvements in this line this year to be about $60,000.

PAOLA, KANS.—Bids are asked until June 5, by E. D. McLaughlin, City Clk., for constructing six lateral sewers, aggregating about 5,100 ft. in length.

MINOT, N. DAK.—Bids are asked until June 4, by the City Clerk, for constructing sewer system at Minot.

ASTORIA, ORE.—J. H. HANSEN, of this city, has been awarded a contract by the Kruse Catering Co. to lay 3,080 ft. of 6-in. sewer at Gearhart Park. The sewer will start from close to the Ocean Beach and empty into the Necanicum River, running along near the sand ridge, where 22 new cottages are to be erected during this spring.

NAMPA, IDAHO.—Bids are asked until 8 p. m., June 4, by the City Council, for excavating a sewer trench 2,925 ft. long, 2 ft. wide, and of a depth to conform with specifications. Claude Duval is City Clk.

MOOSE JAW, SASK.—Bids are asked until 5 p. m., June 4, by Joshua Simpson, Secy., for about 3,861 ft. of 8-in. and 1,574 ft. 10-in. sanitary sewers; also for about 1,008 ft. of 8-in. and 4,435 ft. of 6-in. wood stave water main.

SASKATOON, SASK.—The Saskatoon Town Council has awarded to W. F. LEE, of this city, contract for supplying the sewer pipe for the town's system of sewers, at $7,915.

CALGARY, ALTA.—The City Council of Calgary has authorized the laying of six miles of new sewers.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—We are officially informed that the WARREN BROTHERS CO., 93 Federal St., Boston, Mass., has been awarded a contract for 9,000 sq. yds. of bitulithic pavement.

PORTLAND, ME.—Plans, specifications and bidding sheet for grading post site, relaying railroad track, construction of roads, walks and gutters, etc., at Fort Levett, as noted in issue of May 24, are on file at the office of Engineering News, New York. Bids are asked until June 15. Major A. W. Yates is Constr. Q.-M.

RYE, N. H.—We are officially informed that the contract for constructing the State Road has been awarded to FRED W. STAUERS, Methuen, Mass.; at $6,150. A. W. Dean is State Engr.

PAWTUCKET, R. I.—The Board of Public Works has awarded to WARREN BROTHERS, 93 Federal St., Boston, Mass., contract for 23,300 sq. yds. of bitulithic pavement.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 6, by Bird S. Coler, Pres. Boro. of Brooklyn, for grading and laying sidewalks on Bedford, Cleveland, East Eighth, East 31st, Huntington and various other streets.

DUNKIRK, N. Y.—The Common Council has decided to pave Fifth St. and Railroad Ave., including Union Sq. James P. Morrisey is City Engr.

ALBANY, N. Y.—Gov. F. W. Higgins has signed the Good Roads bill, and it is now a law. This bill provides for an appropriation, by the state, of $50,000,000, to be used for highway improvement. Petitions have been passed by the Board of Supervisors and are on file in the office of the State Engineer for the improvement of the turnpike on the northerly side of the Mohawk River, from the village line of Scotia, northwesterly, to the Montgomery County line. Henry A. Van Alstyne is State Engr.

GLENS FALLS, N. Y.—A preliminary report from the engineers, employed to make paving estimates on Ridge and Warren Sts., has been received by the Board of Trustees. The estimated cost of paving Ridge St. with asphalt is $17,161. The Warren St. estimate is about $30,000. George P. Slade is Village Engr.

BUFFALO, N. Y.—We are officially advised that the following bids were received by the Park Commissioners for paving Fillmore Ave., from Seneca to Best Sts., (a) resurfacing, (b) asphalt on new base, (c) stone, (d) brick: German Rock, Asphalt & Cement Co., 206 S. D. Morgan Bldg., (a) $52,760, (b) $66,740, (c) $113,570; Miller & Franklyn, 880 Ellicott St., (c) $119,000, (d) $96,000; F. V. E. Bardel, 400 S. D. Morgan Bldg., (c) $111,900, (d) $71,000; Barber Asphalt Co., (a) $57,837, (b) $78,281; Gautz Wilson Construction Co., (d) $67,102; L. H. Gipp, (a) $45,927, (d) $62,719; H. P. Burgard, 438 Prudential Bldg., (a) $57,665, (b) $78,750, (c) $125,000. The contract was awarded to the GERMAN ROCK, ASPHALT & CEMENT CO.

ALBANY, N. Y.—Bids are asked until 3 p. m., June 4, by the Board of Contract and Supply, for improvements on Judson and Elk Sts., including grading, curbing and paving with macadam and granite and vitrified brick block, and sidewalk work. Isidore Wachsman is Clk. of Bd.

BUFFALO, N. Y.—Bids are asked until 11 a. m., June 8, by the Department of Works, for constructing concrete sidewalks and approaches from the curb to the street line, from the date of contract to June 30, 1907. F. G. Ward is Comr. Charles M. Morse is City Engr.

MADISON, N. J.—Bids are asked until 8 p. m., June 4, by the Street Committee, for constructing and grading sidewalks on Maple, Green, Greenwood, Cook, Central and Madison Aves., and Vinton Road, and laying flagstone walks on same. S. J. Flanagan is Chn. St. Com. (Advertised Engineering News.)

CAPE MAY, N. J.—We are officially informed that ROBERT E. HAND, of Evina, N. J., has been awarded contract for paving Sea Isle City Turnpike, at $26,964.

CAMDEN, N. J.—The Street Committee has awarded to the BARBER ASPHALT PAVING CO., the sole bidder, contracts for paving numerous streets, at $1.79 a sq. yd. for 6-in. base, and $1.59 for 4-in. base.

CLARION, PA.—Specifications and bidding sheet for grading and paving Main St., as advertised in issues of May 24 and 31, are on file at office of Engineering News, New York. Bids are asked until June 18.

LEWISTON, PA.—Bids are asked until June 18, for grading, paving and curbing Market St., from County Bridge, Juniata St., to the Five Points, Dorcas St., and Chestnut St., from Dorcas to Forsythe St. (Advertised, Engineering News.)

FAYETTE CITY, PA.—We are officially advised that THOMAS ARRIGO, Charleroi, Pa., has been awarded contract for paving Second St. with brick, at $7,100.

CUMBERLAND, MD.—DOUGLAS P. LEFORE and JOHN T. EDWARDS, of Cumberland, have been awarded the contract for paving Maryland Ave., at $14,191.

SUFFOLK, VA.—The Council of Suffolk voted to expend $115,000 towards paving streets with bitulithic pavement. J. H. Macleary is Chn. of the Public Street Improvement Committee.

NORFOLK, VA.—Bids are asked until noon, June 22, by L. W. Tazewell, Chn. St. Com., for paving Main St., Norfolk. W. T. Brooke is City Engr. (Advertised, Engineering News.)

HUNTINGTON, W. VA.—Bids are asked until noon, June 4, by John Coon, Chn. St. Com., for draining, grading, curbing and paving with vitrified brick, Fourth and Eighth Aves. and Eighth and Sixteenth Sts., and with asphalt block Fifth Ave. (Advertised Engineering News.)

LEAKSVILLE, N. C.—Bids are asked for the construction of $10,000 worth of cement sidewalks. J. W. Norman is Town Treas.

MOULTRIEVILLE, S. C.—Bids are asked until 11 a. m., June 5, by C. M. Bunker, Q. M., for constructing roads and walks at Fort Moultrie.

SPARTANBURG, S. C.—FRANK BARKER has been awarded contract for cement sidewalks, at $25,000.

JACKSON, LA.—HEMINGWAY & BOWLES have secured contract for grading work on new line of Southern Pacific Ry., at $150,000.

YOUNGSTOWN, OHIO.—ANTHONY O'HORO has been awarded contract for paving Bresett St., at $7,941. Chalmers Ave. paving contract has been awarded to PENNSYLVANIA CLAY CO., brick, $8,959; bessemer brick, $9,149.

NILES, OHIO.—Bids are asked until noon, June 2, by the Commissioners of Trumbull County, for improving several turnpike roads in District No. 2. Jonathan Head is Pres.

CELINA, OHIO.—Bids are asked until noon, June 9, by M. Lutz, Engr., completing pike; total length, 13,327 ft.

LOGANSPORT, IND.—Bids are asked until 10 a. m., June 5, by the Board of Public Works, for paving North St. from Third to Twelfth Sts.

EVANSVILLE, IND.—We are officially informed that STINCHFIELD & REICHERT, of Evansville, have been awarded contract for paving St. Joseph Ave. and Governor St.

SULLIVAN, IND.—Bids are asked by the County Commissioners, for constructing 12 miles of stone road in Hamilton Township.

PAOLI, IND.—Bids are asked by the Commissioners of Orange County, for construction of three gravel roads, aggregating about 24,300 ft.

BROWNSTOWN, IND.—Bids are asked by the County Commissioners for constructing ten gravel roads in this county.

DETROIT, MICH.—The BARBER ASPHALT PAVING CO. has been awarded contracts for paving various streets at a total cost of $15,551.

ANN ARBOR, MICH.—The City Council has awarded to the CENTRAL BITULITHIC PAVING CO. a contract for 9,272 sq. yds. of bitulithic pavement.

LINCOLN, ILL.—Contract for paving portions of seven streets has been awarded to SHIRK & HARTNELL, of Lincoln, at $35,000.

JANESVILLE, WIS.—Bids are asked until 2 p. m., June 20, by the Street Assessment Committee, for all the work necessary to improve various streets. J. F. Hutchinson is a member of the Street Assessment Committee.

BARABOO, WIS.—Ordinances have been passed by the City Council to pave Oak and Third Sts. and Third Ave. H. E. French is City Engr.

DAVENPORT, IA.—The Board of Aldermen has passed resolutions to pave 12th, 13th, High and Rock Island Sts. and Arlington and College Aves.

OTTUMWA, IOWA.—THE INDEPENDENT CONSTRUCTION CO., Davenport, has secured the contract for paving Wapello, Albany and West Fourth Sts. at $1.55 per sq. yd. for vitrified brick paving; also 55 cts. per lin. ft. for combined curb and gutter. There will be about 10,400 sq. yds. paving and 10,000 lin. ft. of curb and gutter.

ST. PAUL, MINN.—We are officially informed that the bids received for grading Edgerton St. in Ramsey County, Minn., have been rejected. Edward G. Krahmer is County Audr.

FARGO, N. DAK.—We are officially advised that JAMES KENNEDY, of Fargo, has been awarded contract to pave Broadway with cedar blocks, at $34,400. Samuel F. Crabbe is City Engr.

ST. LOUIS, MO.—Bids are asked until noon, June 8, by the Board of Public Improvements, for improving numerous streets. W. B. Dryden is Secy.

GUTHRIE, OKLA.—The City Council has decided to pave East Warner Ave., from Oak St. to Drexel Boulevard. Bids will be advertised for immediately. W. W. Miller is City Engr.

PUEBLO, COLO.—The WARREN BROS. CO., 93 Federal St., Boston, Mass., has secured contract for paving 24,348 sq. yds. with bitulithic on South Ave.

DENVER, COLO.—The Colorado Paving Co. was the only bidder for paving Larmer St., agreeing to do the work for $20,900. J. B. Hunter is City Engr.

LA JOLLA, CAL.—Bids will soon be advertised for grading 15th St., between Sea St. and the Park, and B St., between 30th and 32d Sts.

CHATHAM, ONT.—The WARREN BITUMINOUS PAVING CO. has been awarded contract for paving 513 sq. yds. with bitulithic.

REGINA, SASK.—The City Council has awarded contract to the WARREN BITUMINOUS PAVING CO., of Toronto, for laying bitulithic pavement on South Railway St., which runs practically the whole length of the business section of the city, at $44,000.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

MANCHESTER, N. H.—Bids are asked until June 3, by W. M. Butterfield, Arch., for the construction of a 4-sty factory building, 600 × 100 ft., for the Denyfield Realty Trust.

BOSTON, MASS.—It is reported that the International Fibre Co., 35 Congress St., Boston, contemplates building two plants during the summer, one at Rochester and the other at South Boston. Each of these plants will have floor space of 276,000 sq. ft., and will require about 2,000 HP. The plant is to be constructed of reinforced concrete in each instance, with the exception of the cable mill, which will be of steel construction. J. H. Hodsdon is Treas.

A brick addition, 47 × 97 ft., will be built to the plant of the Imperial Chocolates Co., Hampshire St., Cambridge. The building will be two stories high, and will add a floor capacity of 8,460 sq. ft. to the present works. BENJAMIN FOX has been awarded the contract.

FITCHBURG, MASS.—W. C. CARTER, 22 Beacon St., is reported to have secured the contract to construct an addition to the paper mill for Louis De Jonge Co., on Oak Hill Road, at $50,000.

NORTH BROOKFIELD, MASS.—Plans have been completed and work will soon be commenced on a new addition to the McLaure Bros.' paper plant, to be four stories, brick and concrete construction, and to be located adjoining present plant on Mill St. W. H. Harvey, of Worcester, Mass., is Arch.

WOONSOCKET, R. I.—The contract for building the mill of the French Worsted Co., at the Hamlet, has been awarded by Aram J. Pothier, Local Mgr., to the J. W. BISHOP CO., of Worcester and Providence. No definite figures are given out, but the estimated cost of the work is $100,000.

HARTFORD, CONN.—The American Cigar Co. has perfected details of the tobacco plant which it is to erect in the northern part of the city. The plans call for a 3-story brick warehouse, 76 × 250 ft.; a sorting house, 1-story, 63 × 196 ft.; and a 1-story power-house, 23 × 40 ft. Some minor structures will also be erected, and a spur track from the Hartford division of the New York, New Haven & Hartford R. R. Co. will run into the property.

JERSEY CITY, N. J.—It is reported that contract for the construction of the new 8-story building which is to be erected in Jersey City for the Colgate Coap Co. has been awarded to the CONCRETE STEEL CO., of Cincinnati, Ohio. Construction will be of reinforced concrete throughout.

TRENTON, N. J.—BURTON & BURTON have been awarded the contract to build a 3-story, 60 × 200 ft. silk factory for the F. A. Straus Co. The estimated cost is $100,000. Complete equipment is to be installed.

PITTSBURG, PA.—A new plant costing $1,000,000 will be erected this summer at Elwood City by the Shelby Tube Co. The new works will triple the output at Elwood City. The ground for the erection of the new plant, comprising two city blocks adjoining the present Elwood City mill, has been purchased.

JOHNSTOWN, PA.—The Swank Hardware Co., of Johnstown, it is stated, has engaged Hannaford & Sons, Archs., of Cincinnati, Ohio, to prepare plans for an 8-story concrete building, 60 × 150 ft., to be erected here.

READING, PA.—The construction of a 3-story building, 45 × 80 ft., and several 1-story buildings, is contemplated by the Neversink Dyeing Co., who are the successors to Knoll & Althouse.

READERS' WANTS FOR THOSE IN THE MARKET

The readers of ENGINEERING NEWS are constantly in the market for great quantities of machinery, tools and general supplies. While our thousand advertisers are usually able to furnish the material desired, yet there are many things wanted by our readers that are not advertised, although connected with engineering and contracting directly or indirectly. This department (R-W) is for this class of inquiries, and we urge our readers to keep us informed. Enclose five cents in stamps and we write to a number of leading manufacturers without further cost. When writing to our advertisers, who are the leaders in their respective lines, mention Engineering News. Have you a copy of our Buyers' Guide? Engineering News Can Help Buyers.

TRACTION ENGINE.—Stroudsburg, Pa.—We are in receipt of a letter from E. P. Arbogast, Stroudsburg, Pa., in which he states he desires to purchase a traction engine for immediate delivery.

CONTRACTORS' EQUIPMENT, TOOLS, PUMPS, BOILERS, ETC.—New York, N. Y.—J. R. McCord, Engr., 29 Broadway, New York, informs us that he desires catalogues on contractors' equipment, tools, pumps, boilers, etc.

HYDRAULIC PRESSES.—Managua, Nicaragua.—Sr. Don Augusto Mulet de Chambo, Managua, Nicaragua, writes us that he contemplates establishing the industry of making bricks with sand and cement and desires all information pertaining to the manufacture of the same.

TRADE CATALOGUES.—Mr. H. J. Small, General Superintendent of Motive Power of the Southern Pacific Ry., at Oakland, Cal., wishes manufacturers of machinery and mechanical appliances to send him copies of their catalogues, to replace the file destroyed in the recent fire.

DREDGE.—Fort William, Ont.—We are in receipt of a letter from H. Sydney Hancock, Jr., Town Engr., Fort William, Ont., in which he states that he is in the market for a dredge that is suitable for land reclaiming where material is a compact sandy clay.

CATALOGUES, PRICES, ETC.—Cabo Rojo, Porto Rico, W. I.—We are in receipt of a letter from Sr. Federico Carbonell, M. E., Cabo Rojo, P. R., W. I., in which he desires catalogues and prices of wind-mills, governors (galvanized), steel towers and irrigating pumps.

CRUSHED GRANITE.—Clearfield, Pa.—We are in receipt of a letter from George I. Thompson (contractor), Clearfield, Pa., stating that he is in the market for crushed granite (wheat size) for use in top coat of cement sidewalks—to be sprinkled over mortar after same is laid.

YORK, PA.—A 3-story concrete addition, to cost $40,000, is being planned by the Joseph Black Hosiery Mill. Special machinery is required.

BRISTOL, PA.—The Bristol Patent Leather Co., 15th and Mickle Sts., Camden, N. J., has invited bids for a leather plant at this place, consisting of a group of five buildings, brick and concrete, 1 and 2 story. Power plant and special machinery is required. C. L. Anderson is Mgr.

PHILADELPHIA, PA.—M. W. Easby, Engr., 1420 Chestnut St., has just completed plans for a 4-story brick addition, 60 × 150 ft., to the carpet factory of Joseph Lomax, Jasper and Orleans Sts.

BALTIMORE, MD.—The contract for a 2-story brick building for the Maryland Brass Works, Girard Ave., near Guilford Ave., has been awarded to J. C. SMITH. Henry J. Tinley is Arch.

The Lipps-Murbach Candy Manufacturing Co. has had plans prepared for a large 4-story factory building to be erected at Hollins St. and Lipps Lane. The structure will be of brick, with mill construction, and will be fitted with all necessary machinery. The building will be 82 × 74 ft. T. B. Ghequier is Arch. EDWARD FILERT has the contract.

GREENSBORO, N. C.—Work will soon be started on the new plant to be erected here by the Wyland-Newman Machine Co., recently chartered with a capital of $100,000. George W. Wyland, of Williamsport, Pa. is Pres.

LA GRANGE, GA.—PIKE BROS. LUMBER CO., of this city, have been awarded the contract for building the new Elm City cotton mills. Work will be begun immediately on the erection of the mills, and they are to be completed and ready for machinery by December 1.

DALTON, GA.—The Elm Cotton Mills have elected a board of directors who will at once purchase a site and begin work on the mill. The capital of the new company has been increased to $200,000. M. C. Foster and others are interested.

TALLADEGA, ALA.—A new hosiery mill will be erected in this city by a company being organized by M. B. Lewis, M. H. Lewis, T. H. and M. E. Matthews. Capital stock, $50,000.

JACKSON, MISS.—The Columbus Yarn & Cordage Co., of Columbus, has decided to rebuild its cotton cordage mill, which was burned a few weeks ago.

NEW ORLEANS, LA.—The COOK & LAURIE CO., 636 Camp St., have been awarded the contract for erecting a $300,000 3-story factory building, 80 × 226 ft., for the American Can Co., at Cortez and Toulouse Sts.

NASHVILLE, TENN.—A 4-story factory building will be erected here by Smith, Neal & Co. L. C. Waters, Pickle & Turner Bldg., Knoxville, is Arch.

CINCINNATI, OHIO.—The Millcreek Valley Starch Co. will erect two buildings, 150 × 150 ft., and a power-house, 60 × 60 ft., at an estimated cost of $100,000. Power equipment will be installed. Rapp, Zettel & Rapp, 607 Johnston Bldg., are Archs.

MARION, IND.—Hiram Elder, Arch., Custer Block, has prepared plans for the new plant, including a foundry building, 100 × 200 ft., a 2-story office and molding building, part to be 80 × 200 ft. and the rest to be 60 × 200 ft., and a boiler room, 30 × 38 ft., for the Hoosier Stove Co.

DETROIT, MICH.—The Pioneer Mantel & Fixture Co. has been incorporated with capital of $25,000, and contemplates erecting a factory for the manufacture of mantels, grates and fireplace furniture. Frank G. Barton, 250 Woodward Ave., is Mgr.

CHICAGO, ILL.—Holabird & Roche, Archs., Monadnock Block, will prepare plans for a large manufacturing building, to be 212½ × 105 ft., at the southeast corner of Congress and Franklin Sts., and 60 × 100 ft. on Lomax Place, for the Brooks estate, represented by Aldis & Co., Monadnock Block.

F. E. Davidson, Arch. for the Western Electric Co., 259 South Clinton St., let the carpentry to BULLEY & ANDREWS, 115 South Canal St.; roofing to the KNICKERBOCKER ROOFING CO., 3962 Cottage Grove Ave.; fireproof and various other kinds of doors to the VARIETY MANUFACTURING CO., 77 West Lake St., for a second addition to the cable plant to be built at Hawthorn, Ill., for the company. It will be 1-story, 50 × 100 ft., fireproof, and cost $160,000.

COFFEYVILLE, KANS.—The Coffeyville Excelsior & Manufacturing Co. is being organized for the purpose of erecting a factory building, 62 × 84 ft., a warehouse, 60 × 100 ft., and a power-house, 20 × 40 ft., at Fifth and Sycamore Sts. Frank Weis, M. A. Patton, W. E. Ziegler, and others, incorporators.

OMAHA, NEBR.—A $150,000 malt house will be erected in this city by the Gate City Malt Co., of Keokuk, Iowa.

CANON CITY, COLO.—I. M. and Frank Howard are interested in the erection of a fireproof mill in this city to cost $300,000. New machinery will be required.

SEATTLE, WASH.—Plans are being drawn for the plant of the Pacific Coast Syrup Co. A 5-story frame building is to be erected at cost of $58,000. Bebb & Mendel, 206 Denny Bldg., are Archs.

RIGAUD, QUE.—This town is offering a bonus of $12,000 cash, 15 years' exemption from taxes, water power free for 10 years, and necessary building site free, to anyone establishing an industry which will be satisfactory to the people.

BRANTFORD, ONT.—A large sand-lime brick industry is to be established in Brantford, and the company are in the market for $30,000 worth of machinery. For particulars apply to the chairman of the Board of Trade.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

JETTIES. — Salinas, Cal. — See under Bridges.

HYDRAULIC DREDGE.—Toronto. Ont.—The City Council has voted to purchase a steel hydraulic dredge and has appropriated $54,000 for the purpose.

DREDGING.—Cleveland, Ohio.—Bids are asked until June 20, by Lieut.-Col. D. C. Kingman, Engr., U. S. A., for improving Sandusky Harbor by dredging.

DRAINAGE DITCHES.—Forest City, Iowa.—R. H. WILLIAMS has been awarded the contract for building ditches in Districts 2 and 3, at 12½ cts. per cu. yd.

DREDGING.—New London, Conn.—Bids are asked until noon, June 26, by Maj. Harry Taylor, U. S. Engr., for dredging in Housatonic River. (Advertised, Engineering News.)

CONCRETE DAM.—Orilla, Ont.—Bids are asked until noon, June 11, by Chas. E. Grant, Town Clk., for the construction of a concrete dam at Ragged Rapids, on the Severn River.

DREDGING.—New York, N. Y.—Bids are asked until noon, June 5, by J. A. Bensel, Comr. of Docks, for dredging about 100,000 cu. yds. on the North, East and Harlem Rivers.

TEST BORINGS.—New York, N. Y.—Plans and specifications for this work, mentioned last week, are on file at the New York office of Engineering News. (Advertised, Engineering News.)

DREDGING.—Philadelphia, Pa.—Bids are asked until noon, June 14, by Thomas L. Hicks, Dir. Dept. Pub. Wks., for dredging channel of the Delaware River. (Advertised Engineering News.)

DREDGING.—Buffalo, N. Y.—Bids are asked until June 8, by F. G. Ward, Comr. Pub. Wks., for dredging Buffalo Inner Harbor to the complete contract depth for maintenance of channel.

DITCH.—Hood River, Ore.—Bids are asked until 2 p. m., June 14, by the Board of Directors of the Hood River Irrigation District, for the construction of an irrigation ditch. J. H. Shoemaker is Secy.

CANAL.—Klamath Falls, Ore.—Specifications and contract drawings for this work, mentioned in the issue of May 17, are on file at the office of Engineering News, New York. Bids to be opened June 21.

TUNNEL.—Chicago, Ill.—The following were the lowest bids received for constructing the second section of Chicago's ten-mile water tunnel: (a) 12-ft. section, (b) 9-ft. section; John P. Agnew, Chicago, (b) $28.74 per ft. for 2,100 ft.; Parker-Washington Co., (a) $41 per lin. ft. for 16,640 ft.

OFFICE FIXTURES.—Cape May, N. J.—Bids were asked until 12.30 p. m., June 14, by the Board of Freeholders of Cape May County for fireproof office fixtures. (Advertised, Engineering News.)

DITCH.—Niles Center, Ill.—Bids are asked until noon, June 11, by John Hesch, Clk. of the Drainage Comrs., for constructing drainage ditch in Drainage District No. 1. (Advertised Engineering News.)

CANAL.—Billings, Mont.—Specifications and contract drawings for this work, advertised in Engineering News from May 17 to June 14, are on file at the New York office, 220 Broadway. Bids to be opened June 2.

BREAKWATER.—Burlington, Vt.—Bids are asked until noon, June 25, at U. S. Engineer Office, Boston, Mass., for repairs to breakwater, Burlington, Vt. W. S. Stanton is Col. Engrs. (Advertised Engineering News.)

ELEVATOR.—Springfield, Mo.—Bids are asked until June 6, by Jas. Knox Taylor, Superv. Archt., Washington, D. C., for installing an electric passenger elevator in the U. S. Court House and Post Office, Springfield.

BREAKWATER AND PIER.—Huron, Ohio.—Contracts for the construction of a breakwater 1,800 ft. long and a concrete pier 700 ft. long have been awarded by the U. S. Government to HUNKIN BROS. CO. at about $160,000.

SUPERSTRUCTURE.—Chicago, Ill. — Bids are asked until noon, June 30, by W. H. Bixby, Lieut. Col. Engrs., U. S. Engineer Office, Chicago, Ill., for concrete superstructure in Chicago Harbor. (Advertised Engineering News.)

DITCHES.—Algona, Iowa.—The INDIANA DRAINAGE CO., Bremen, Ind., has been awarded the contract to build all drainage ditches in Districts 3 and 11, Winnebago and Kossuth Counties, at prices ranging from 9.96 cts. to 10.98 cts. per cu. yd.

STONE MOUND.—Charleston, S. C.—Bids are asked until noon, June 21, at the U. S. Engineer Office, for furnishing stone and constructing a mound on South Jetty, at Winyah Bay. Capt. G. P. Howell is Engr. (Advertised Engineering News.)

TUNNEL.—Boston, Mass.—We are officially advised that contract for the construction of the Washington St. subway, bids for which were published May 17, has been awarded to the J. J. COUGHLAN CONSTRUCTION CO., 19 Worthington St., Roxbury, at $198,275.

LIGHT-HOUSE SUPPLIES. — Tompkinsville, N. Y.—Bids are asked until 1 p. m., June 28, by Col. Wm. T. Rossell, U. S. Engr., Tompkinsville, Staten Island, for various supplies for the Light-House Establishment. (Advertised, Engineering News.)

DITCH.—Sibley, Iowa.—Bids are asked until June 4 for constructing a drainage ditch in District No. 4, requiring the removal of about 20,600 cu. yds. dirt, furnishing and laying about 1,000 ft. 10-in., 2,300 ft. 12-in. and 3,200 ft. 15-in. tile. Geo. W. Thomas is County Audr.

BREAKWATER.—Buffalo, N. Y.—Contract has been awarded to the CANAL QUARRY CO., of Buffalo, N. Y., for the construction of a stone breakwater in Buffalo Harbor, involving the placing of 83,700 tons of stone, at $183,000. Col. H. M. Adams, Engr., U. S. A., is in charge.

DREDGING.—Philadelphia, Pa.—Bids are asked until noon, June 14, by Thomas L. Hicks, Director, Dept. Pub. Wks., for deepening and improving the channel of the Delaware River between Philadelphia and Delaware Bay. Specifications for the work are on file at office of Engineering News, New York.

RAILWAY CONSTRUCTION.—Cincinnati, Ohio.—Bids are asked until noon, June 8, by W. M. Duane, Ch. Engr. Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., Cincinnati, for constructing roadway involved in double tracking and grade reduction on the St. Louis Division. (Advertised Engineering News.)

RETAINING WALL.—Catlettsburg, Ky.—Bids are asked until 2 p. m., June 29, at U. S. Engineer Office, 415 Custom House, Cincinnati, Ohio, for constructing guide and retaining walls and paving Lock No. 1, Big Sandy River, Catlettsburg. J. A. Warren is Major of Engrs. (Advertised, Engineering News.)

FERRY SLIP.—Manistique, Mich.—E. H. Christ is preparing plans for a car ferry slip at Manistique for the Manistique, Marquette & Northern R. R. The ferry connects this road with the Grand Rapids & Indiana at Northport, and the slip has to be large enough to provide for the car ferry, which is 365 ft. long.

EXCAVATING.—Gretna, La.—Bids are asked until June 1, by the Harvey Canal & Improvement Co., Ltd., Jefferson Parish, for excavating in front of the lock and driving a row of interlocking steel sheet piles to intercept flow under said lock and the securing of same to concrete block, etc. Horace H. Harvey is Secy.

SUBWAY STATION.—New York, N. Y.—Bids are asked until 2 p. m., June 14, by James W. Stevenson, Comr. of Bridges, for the construction of the Manhattan subway station for the Williamsburg (new East River) bridge. Blank forms and specifications are on file at the New York office of Engineering News.

BOARDWALK.—Atlantic City, N. J.—The South Atlantic City Council has awarded a contract to the C. W. SNYDER CO. for a promenade along the sea front of that resort. The new walk, which is to be completed by Aug. 15, will join with that of Ventnor on the north and that of Longport on the south, affording a continuous promenade from Inlet to Inlet. The cost will be $23,000.

DRAINAGE SYSTEM.—Pembina, N. Dak.—H. W. Mott, of Grafton, Engr. Pembina County Drainage Bd., writes that it is proposed to construct a drainage system through Cavalier, Hamilton and Joliette, in Pembina County, to be known as the Cavalier and River Drain; the main drain is 24 miles in length, with 6 miles of laterals; total yardage, 604,000.

Estimated cost $85,000. Five miles is swamp or slough wo the balance dry. About 100,-000 acres wi be benefited by this system. W. J. Loudon Chn. Bathage, N. Dak. H. H. Thompson, Sec , Bowesmont, N. Dak.

PUMPING APPARATUS.—Garden City, Kans.—Bids are asked until 2 p. m., July 7, to be opened at the office of the U. S. Reclamation Service, 876 Federal Bldg., Chicago, for ten or more motor-driven centrifugal pumps Plans and specifications are on file at office of Engineering News, New York. C. E Gordon, Garden City, Kans., is Engr.-in-Charge of the Garden City Project.

DITCH.—Rockwell City, Iowa.—Bids are asked until June 4, by the Board of Supervisors, for constructing an open ditch and tile drain in Sherman Township. The open ditch is 2,900 ft. in length and is to be 3 and 4 ft. wide at bottom, and requires about 24,000 cu. yds. of earth excavation, the tile work is 1,620 ft. in length and is to be constructed of 15 in tile B. E. Stonebraker is County Auditor.

SUBWAY.—Los Angeles, Cal.—It is reported that E. H. Harriman, Pres. of the Southern Pacific Ry. Co., has expended $900,000 for a right-of-way, and will construct nine miles of subway with four tracks from the corner of Fourth and Hill Sts. to Ivy Station, on the short line to Venice, Ocean Park and Santa Monica. The preliminary work will cost not less than $2,000,000, and the electric railway service from Los Angeles to the beaches will be so improved that the trip can be made in 15 minutes.

STEAMSHIP.—Philadelphia, Pa.—The NEW YORK SHIPBUILDING CO. has received a contract from the Pacific Coast Steamship Co. for the construction of a steamship to ply between San Francisco and Portland, Ore. The vessel, when completed, will cost $1,000,-000. It is to be expensively appointed and will be provided with twin screws. The steamship will be 416 ft. in length; beam, 48 ft.; depth of hold, 15 ft., and will be expected to maintain a speed of 15 knots. Work will begin on the vessel as soon as the plans are completed.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

EXPLOSIVES.—Panama.—The Isthmian Canal Commission has awarded to the LAFLIN & RAND POWDER CO., of New York, contract for furnishing 200,000 lbs. of dynamite, exploders, etc., at $26,122, f. o. b. Colon. Item 5 of this schedule has not yet been awarded.

DREDGING.—Honolulu, H. I.—C. A. Halloway, Supt. of Pub. Wks., Honolulu, writes that the following are the totals of bids for excavating and dredging one-half of the proposed Kileula Slip to a depth of 34 ft. below mean tide, material to be hard coral with some black sand: Hawaiian Dredging Co., $111,750; Ford & Belser, $82,000, and North American Dredging Co., $120,000.

STEEL WHARVES.—Manila, P. I.—The Bureau of Insular Affairs, at Washington, has let the contract to the ATLANTIC, GULF & PACIFIC CO., 13 Park Row, New York, for the construction of two steel wharves at Manila. One of the wharves will be 650 ft. long and 110 ft. wide, with pile and concrete cylinder superstructure and reinforced concrete deck. The other will be 600 x 20 ft. The depth of water in which these wharves will be built is about 30 ft. at mean low tide. Construction work will be begun immediately, and will take about eighteen months. The wharves will cost about $450,000.

ENGINEERING SUPPLIES.—Panama.—Bids were opened May 28, at the office of D. W. Ross, Gen. Purchasing Officer of the Isthmian Canal Commission, Washington, D. C. for vitrified sewer pipe and fittings, wrought-iron sewer pipe and fittings, steel roofing, lumber, etc., under Circular 309. The bids of interest to engineers are as follows: (a) 121,700 ft. vitrified sewer pipe and fittings, 4-in. to 12-in.; (b) 65,000 ft. pipe, extra wrought iron, 3-in. to 10-in.; (c) 40,-000 sheets galvanized corrugated steel roofing, 30-in. x 96-in.; (d) 2,000,000 ft. B. M., lumber: American Sewer Pipe Co., Pittsburg, (a) $28,947; Belknap Hardware Manufacturing Co., Louisville, Ky., (c) $36,000; Blackmer & Post Pipe Co., St. Louis, (a) $32,282; Chicago Lumber & Coal Co., St. Louis (d) $5,000; Wm. Wirt Clark & Son, 546 E. Monument St., Baltimore, (a) $26,002; Cornell & Underhill, 47 Beach St., New York, (b) $88,971; Cuyler, Mohler & Co., Baltimore, (b) $87,500; Denny-Renton Clay & Coal Co., Seattle, Wash., (a) $38,163; W. S. Dickey Clay & Mfg. Co., Kansas City, (a) $23,506; G. Elias & Bro., Buffalo, (d) $72,400; Wm. D. Gill & Son, 701 President St., Baltimore, (d) $67,900; Robert H. Jenks Lumber Co., 308 Euclid St., Cleveland, Ohio, (d) $54,800, f. o. b. New Orleans; Turnbull, Joyce Lumber Co., Chicago, (d) $63,800; E. F. Keating Co., 452 Water St., New York, (b) $31,-125 (part of class); Kirby Lumber Co., Houston, Tex., (d) $71,200; Long Bell Lumber Co., Kansas City, (d) $56,500, f. o. b. Colon; $8,500, f. o. b. Port Arthur, Tex.; Mark Manufacturing Co., Chicago, (b) $77,337; Merchant & Evans Co., 517 Arch St., Philadelphia, (c) $34,000. J. J. Moore & Co., 11 Stewart St., San Francisco, (d) $63,400; H. Mohle & Co., Galveston, Tex., (d) $72,600, (telegraphic bid); Motley, Green & Co., New York, (b) $9,350, (c) $30,727; Oil Well Supply Co., Pittsburg, (b) $86,225, $81,587; Panama Lumber & Trading Co., 1016 Hibernia Bldg., New Orleans, (d) $57,900; Pancoast, Rogers & Richards, Platt St., New York, (b) $[illegible]732; Thos. H. Philips, 2102 Strand St., Galveston, Tex., (c) $30,285; Robinson Clay Product Co., 26th and Broadway, New York, (a) $23,205; W. C. Rogers, Hattiesburg, Miss., (d) $70,600; Stauffer, Eshelman Co., Ltd., New Orleans, (a) $19,-018, (b) $[illegible]9,350, (c) $31,228; Southern Sawmill Co., Ltd., 410 Hennan Bldg. New Orleans, (d) $67,500; United States Steel Products Export Co., 290 Broadway, New York, (b) $24,143 and $70,653, (c) $29,159; Youngstown Sheet & Tube Co., Federal Bldg., Youngstown, O., (b) $83,125.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 206.

GRADING, PAVING, ETC.

Lewistown, Pa.

The Borough of Lewistown, Mifflin County, Pennsylvania, will receive sealed bids up to June 18th for the grading, paving and curbing of Market Street from the County Bridge, Juniata St., to the Five Points (Dorcas Street), and Chestnut Street, from Dorcas St. to the eastern side of Forsythe Street of the Borough of Lewistown, Mifflin County, Pa.

APPROXIMATE QUANTITIES.

20,000 square yards paving.
6,000 feet of new curbing.
1,250 feet of retaining stone.
7,000 yards of excavating.

Plans and specifications can be seen at the office of Wm. P. Moore, Borough Engineer, Lewistown, Mifflin Co., Pa. 22-3t

U. S. ENGINEER OFFICE, Charleston, S. C., May 28, 1906.—Sealed proposals for furnishing stone and constructing mound on South Jetty at Winyah Bay, S. C., will be received here until 12 noon, June 21, 1906, and then publicly opened. Information furnished on application. G. P. HOWELL, Capt., Engrs. 22-3t

SEALED PROPOSALS will be received at the office of the Light-House Engineer, Tompkinsville, N. Y., until 1 o'clock p. m., June 28, 1906, and then opened, for furnishing miscellaneous articles for the Light-House Establishment, for the fiscal year ending June 30, 1907, in accordance with specifications, copies of which, with blank proposals and other information, may be had upon application to LIEUT.-COL. WM. T. ROSSELL, Corps of Engineers, U. S. A., Engineer. 22-4t

U. S. ENGINEER OFFICE, Room 508 Federal Bldg., Chicago, Ill., May 26, 1906.—Sealed proposals for concrete superstructure in Chicago Harbor, Ill., will be received here until noon, June 30, 1906, and then publicly opened. Information on application. W. H. BIXBY, Lt. Col., Engrs. 22-4t

U. S. ENGINEER OFFICE, Boston, Mass., May 25, 1906.—Sealed proposals for repairing breakwater at Burlington, Vt., will be received here until 12 M., June 25, 1906, and then publicly opened. Information on application. W. S. STANTON, Col., Engrs. 22-4t

U. S. ENGINEER OFFICE, New London, Conn., May 26, 1906.—Sealed proposals for dredging in Housatonic River, Conn., will be received here until 12 o'clock noon, June 26, 1906, and then publicly opened. Information furnished on application. HARRY TAYLOR, Maj., Engrs. 22-4t

STREET PAVING, ETC.

Norfolk, Va.

Sealed proposals will be received at this office until 12 o'clock noon, on the twenty-second day of June, 1906, for the improvement of Main Street in the City of Norfolk, Va.

An approximate schedule of the work to be done is shown in the blank form of proposal attached to the specifications, which may be obtained on application to W. T. Brooke, City Engineer.

Bids made out in full on the blank form of proposals attached to the specifications, must be enclosed in a sealed envelope, and addressed to L. W. Tazewell, Chairman of the Street Committee, in care of the City Treasurer.

Bids must be made for the whole work, and no partial bids will be considered.

Bids will be received for any one of the following pavements for Main Street:

1st. Granite block on a concrete foundation.

2nd. Creo. resinate on a concrete foundation.

3rd. Sheet asphalt on a concrete foundation.

4. Warren's Bithulithic on a concrete foundation.

5th. Bituminous macadam on a concrete foundation.

A certified check on some local bank must accompany each bid under the conditions expressed in the blank form of proposal.

The right to reject any or all bids is specially reserved by the Street Committee.

L. W. TAZEWELL,
Chm'n Street Com. Common Council.
C. W. NORTHERN,
Chm'n Street Com. Select Council.

22-2t

DEPARTMENT OF THE INTERIOR. Washington, D. C., May 8, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Billings, Montana, until 2 o'clock p. m., June 20, 1906, for the construction of about 17 miles of canal, involving approximately 350,000 cubic yards of excavation. Plans, specifications and proposal blanks may be obtained from the Chief Engineer, Reclamation Service, Washington, D. C., or from the Engineer, Huntley, Montana. E. A. HITCHCOCK, Secretary. 20-5t

U. S. ENGINEER OFFICE, 415 Customhouse, Cincinnati, O., May 30, 1906.—Sealed proposals for constructing guide and retaining walls and paving at Lock No. 1, Big Sandy River, Catlettsburg, Ky., will be received here until 2 P. M., standard time, June 29, 1906, and then publicly opened. Information on application. J. G. WARREN, Major Engrs. 22-4t

Reinforced Concrete

By A. W. Buel and Chas S. Hill

Second Edition. Revised and Enlarged

It was the intention of the publishers to issue this new edition on or before the first of May, 1906, and announcement of that date was duly published, but information since received, as to a series of new and important tests of Reinforced Concrete Beams made it advisable to consider a delay in the date of publication. After consultation with the authors, it was decided that on account of the valuable nature of these tests, the issue of the book would be delayed until June in order to enable us to include the results. Those already tabulated have been embodied in the text under "Methods of Calculation," and the balance will be comprised in an Appendix inserted at the end of the book, to prevent any loss of time in the final make-up and completion of the book, when all the results have been obtained.

While we realize that this delay has been somewhat of an inconvenience to the many engineers who have daily use for the book, and regard it as the standard authority on reinforced concrete construction, we feel sure that the introduction into it of these valuable data, including text, tables, formulas and diagrams, will warrant the delay, by their bringing the work most thoroughly up-to-date and making it even more fully than in the past, justify its claim as the most complete treatise on this subject to be had in the English language.

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220 Broadway, New York

GARBAGE INCINERATOR.

Winnipeg, Can.

Sealed tenders addressed to Ald. Chris. Campbell, chairman Health Committee, for supply and erection complete of a garbage and night soil incinerator for the City of Winnipeg, of a capacity of 140 tons per day, will be received at the office of the undersigned up to 3.30 P. M., Thursday, June 21, 1906.

Full description, plans and specifications of the plant must accompany each tender. All information required will be furnished by Dr. A. J. Douglas, Medical Health Officer, Winnipeg.

Each tender must be accompanied by an accepted cheque payable to the order of the City Treasurer, or cash deposit for a sum equal to 5 per cent. of the total amount of the tender, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract, with approved sureties if called upon to do so.

The city reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

C. J. BROWN,
City Clerk.

22-2t

INTERCEPTING SEWERS AND RIVER CROSSINGS.

Jackson, Mich.

Sealed proposals will be received by the Board of Public Works of the City of Jackson, Michigan, at their office until 2.30 o'clock P. M., June 18, 1906, for furnishing the materials and labor necessary in the construction of items No. 4 and 5 in the work of improvement of Grand River.

Item No. 4 consists of river crossings laid under the bed of the river in the form of inverted syphons.

Item No. 5 consists of an intercepting sewer, eleven hundred feet 3½ feet in diameter, and thirty-four hundred feet 3 feet in diameter.

Bids will be received for both brick and reinforced concrete pipe in the sewer construction.

Proposals must be submitted upon the forms prepared for the purpose, and must be accompanied by the following certified checks:

Item No. 4, $750.00. Item No. 5, $1,000.00

Blank forms for proposals and instructions to bidders may be obtained of the Clerk of the Board, and at the office of Geo. S. Pierson, Engineer, Kalamazoo, Michigan.

The Board of Public Works reserves the right to reject any or all bids.

By order of the Board of Public Works.

J. T. HARRISON,
Superintendent.

Jackson, Mich. May 23, 1906. 22-1t

ARTHUR'S PASS TUNNEL CONTRACT.

New Zealand Midland Railway,
Wellington, New Zealand.

Alternative tenders will be received at the office of the High Commissioner for New Zealand, Westminster Chambers, 13 Victoria Street, London, S. W., for the Construction of a Tunnel, about 5 miles 25 chains in length, at Arthur's Pass, through the dividing range betwen Canterbury and Westland, on the route of the New Zealand Midland Railway. They are to be addressed to the High Commissioner for New Zealand, and marked on the outside "Tender for Arthur's Pass Tunnel." Tenders will be received up till noon of Saturday, June 30, 1906.

Plans, specifications and conditions may be seen, and tender forms and other information obtained from Mr. Virgil G. Bogue, Consulting Engineer, 15 William Street, New York, and at the offices of the "Engineering News," Monadnock Block, Chicago, and New York.

The lowest or any tender will not necessarily be accepted.

(By order) P. S. HAY,
Engineering-in-Chief.

Public Works Office, Wellington, New Zealand, April 18, 1906. 22-5t

PROPOSALS for equipment for electric light plant, line material, boiler plate, wire rope, horseshoes and nails, lead pipe, metals, disinfecting materials, charcoal, hospital furnishings, shoes, rubber boots and general miscellaneous supplies, office Isthmian Canal Commission, Washington, D. C., May 19, 1906. Sealed proposals, in triplicate, will be received at the office of the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until 10.30 a. m., June 8, 1906, at which time they will be opened in public, for furnishing the above-mentioned articles. Blanks and full information (Circular No. 310) may be obtained from this office or the offices of the Assistant Purchasing Agents: 24 State Street, New York City; Custom House, New Orleans, La.; 36 New Montgomery Street, San Francisco, Cal.; and 410 Chamber of Commerce Building, Tacoma, Wash.; also from Chief Quartermaster, Department of the Lakes, Chicago; Depot Quartermaster, St. Louis; Depot Quartermaster, Jeffersonville, Ind.; Chief Quartermaster, Department of the Gulf, Atlanta, Ga.; and the Commercial Club, Mobile, Ala. D. W. ROSS, General Purchasing Officer. 21-2t

FIREPROOF OFFICE FIXTURES.

Cape May, N. J.

Sealed proposals will be received by the Board of Chosen Freeholders of the County of Cape May, State of New Jersey, until 12.30 o'clock P. M. of the 14th day of June, A. D. 1906, for the furnishing of fireproof fixtures for the Clerk and Surrogate Offices of the County of Cape May, N. J., and the proper erection of said fixtures, according to plans and specifications which are now on file at the County Clerk's office at Cape May Court House, N. J.

On the above-mentioned date all bids received will be opened and publicly read, at a meeting of said Board of Chosen Freeholders, to be held at the Alms House, of the County of Cape May, at Cape May Court House, N. J.

The Board of Chosen Freeholders reserve the right to reject any or all bids.

All proposals should be marked "Fireproof Fixtures."

By order of the Board of Chosen Freeholders. 22-3t

ANTHONY B. SMITH, Director.

ARTESIAN WELL BORING.

Famagusta, Cyprus.

Tenders are invited by the Anglo-Egyptian Land Allotment Co. for the sinking of artesian wells at Larnaca and Famogusta, Cyprus. The price to be stated in shillings per foot for the first one thousand feet, for the second thousand, and for the third thousand. The bore to begin with a ten-inch pipe, and to be carried down to Plutonic rock, or when directed to stop by the agent of the company. A price per foot for each kind of pipe allowed to remain in the bore to be also quoted. The bore at Larnaca is likely to be under 1,000 feet, and at Famagusta under 2,500 feet. The bore at Famagusta not to be begun until the one at Larnaca has been successfully completed. Tender to be sent in before August 1, 1906, to the Anglo-Egyptian Land Allotment Co., Famagusta, Cyprus.

W. WILLCOCKS, Agt.

22-4t

SIDEWALKS.

Madison, N. J.

Notice is hereby given that the Street Committee of the Council of the Borough of Madison, N. J., will meet at the Council room of said Borough, on Monday evening, June 4th, 1906, at 8 o'clock, for the purpose of receiving and opening bids for the construction and grading of sidewalks on the following named streets, to wit: Maple Avenue, Green Avenue, Vinton Road, Greenwood Avenue, Cook Avenue, Central Avenue and Madison Avenue, and laying thereon cement and flagstone walks in accordance with the several ordinances for said streets, and relaying such flagstones as may be necessary to conform to the grade established.

The said ordinances, specifications and profile maps are on file in the Borough Office where the same may be examined by bidders.

Bidders may submit estimates for the whole, or any part of the work.

Bidders must satisfy themselves of the amount and character of work to be done from an examination of the ordinances, specifications and profile maps, and by personal inspection of the streets whereon said walks are to be constructed.

Bids must be accompanied by a certified check for one hundred dollars for each street to insure the making of contracts.

Bidders must specify the time within which the work is to be completed.

The right to reject any or all bids is hereby reserved.

S. J. FLANAGAN,
22-1t Chairman Street Committee.

WATER METERS.

Office of the Board of Water Commissioners of the City of Yonkers.
Yonkers, N. Y., May 14, 1906.

Sealed proposals will be received by the Board of Water Commissioners of the city of Yonkers at a meeting thereof to be held at its office, Manor Hall, on Thursday, the 7th day of June, at 8 p. m., for entering into a contract to furnish and deliver 300 ⅝-inch water meters.

Each proposal must be sealed, addressed to the Board of Water Commissioners of the city of Yonkers, endorsed "Proposals for Water Meters."

The Board of Water Commissioners reserves the right to accept or reject any or all proposals.

By order of the Board.

JOHN J. DEVITT, President.
A. W. KINGSBURY, Clerk. 22-1t

DRAINAGE DITCH.

Niles Center, Ill.

Public notice is hereby given that the Drainage Commissioners of Darinage District No. 1 of the Town of Niles, County of Cook, and State of Illinois, will receive bids under seal up to noon of the 11th day of June, A. D. 1906, at the office of John H. Ruesch, Clerk of the Drainage Commissioners of said District, in the Town of Niles, County of Cook, and State of Illinois, with postoffice address Norwood Park, Illinois, R. F. D. No. 2 for the construction of a drainage ditch beginning eight feet south of the north line of Caldwell's Road at the intersection of the same with the northwest line of Caldwell's Reserve, thence in a northeasterly direction along and immediately northwest of said Reserve to the northwesterly corner of said Reserve, thence in a southeasterly direction immediately northeast of and along side of said Reserve to the right of way of the Chicago, Milwaukee & St. Paul R. R. Co.

Plans and specifications for the construction of said ditch and more particularly describing the same, are on file at the office of F. C. Rossiter, 91 Washington St., in the City of Chicago, County of Cook, and State of Illinois, where the same may be seen. The Commissioners reserve to reject any and all bids.

CHARLES KINDT,
JOHN H. RUESCH,
CARL KNABE,
Drainage Commissioners of Drainage District No. 1 of the Town of Niles.

Dated, at Niles Center, this 18th day of May, A. D. 1906. 22-1t

PAVING.

Huntington, W. Va.

Sealed proposals will be received by the undersigned Street Committee, until 12 o'clock noon, June 4th, 1906, at the office of Leete & Maupin, for the draining, grading, curbing, and paving with vitrified brick, the following Streets and Avenues in the City of Huntington, W. Va.:

Fourth Avenue from Johnson's Lane to Eighth Street.

Eighth Avenue from Sixteenth Street to Twentieth Streets.

Eighth Street from Fourth Avenue to Eighth Avenue.

Sixteenth Street from Third Avenue to Seventh Avenue.

And with asphalt block:

Fifth Avenue from Seventh Street to Ninth Street.

Also Brick and Tile Sewers for the First Ward Sewerage System, in accordance to plans and specifications on file in the office of Leete & Maupin, Engineers, and the City Clerk's Office, on and after June 1st, 1906.

Certified check of $500.00 required.

The Committee specially reserve the right to reject any or all bids.

JOHN COON, Chairman.
Leete & Maupin, Engineers. 22-1t

OFFICE, COMMISSIONERS, District of Columbia, Washington, D. C., May 21, 1906. Sealed proposals will be received until 12 o'clock M., June 18, 1906, for constructing sewer. Forms, specifications and necessary information may be obtained at this office. HENRY B. F. MACFARLAND, HENRY L. WEST, JOHN BIDDLE, Commissioners, D. C. 22-2t

Civil Service Examinations

JUNE 2, 1906

Questions and Answers Covering Examinations for Positions of

Axeman	**$0.60**	Ready
Chainman and Rodman	**.60**	Ready, May 22
Leveler	**.60**	Ready, June 15
Transitman and Computer	**.60**	Ready
ASSISTANT ENGINEER:		
Rapid Transit Commission	**.75**	Ready
Aqueduct Comm., Water Supply, Docks, etc	**.75**	Ready, May 24
Draftsman: Topographical and Structural	**1.00**	Ready
Inspector: Masonry, Buildings, Sewers, etc	**.50**	Ready, June 20

Each Part Interleaved with Blank Pages for Additional Notes

The Questions cover several years' Examinations, and the Answers have been prepared by Engineers holding high positions in the service, and from the most reliable authorities

The Engineering News Publishing Co.
220 Broadway, New York

$5,000,000

New York State Highway Improvement

Within the next two weeks the State Engineer will advertise in these columns for **PROPOSALS** for $5,000,000 worth of **ROAD WORK.**

STAND PIPE AND PUMPING PLANT.

Edgartown, Mass.

Bids for erecting a stand-pipe for the Edgartown, Mass., Water-Works will be received June 11, 1906. Bids for pumping plant will be received within few weeks. For particulars address LOUIS HAWES, Civil and Hydraulic Engineer, 1 Tremont St., Boston, Mass. 22-1t

MUNICIPAL POWER STATION.

Dolgeville, N. Y.

Sealed proposals will be received by Thomas George, Village Clerk, until 8.00 P. M., June 12, 1906, for the construction of a concrete block building, 82 ft. 8 ins. x 37 ft. 0 ins., with reinforced concrete floor and roof.

Plans and specifications may be seen at the Village office, Lake Placid, N. Y., or at the office of the Engineer at Dolgeville, N. Y.

B. R. BREWSTER, Village Pres.
THOMAS GEORGE, Clerk.
CHAS. E. COLLINS, Engineer. 22-2t

Miscellaneous Wants

ENGINEER (29), graduate, having 11 years' experience in elevators and conveying machinery as designer, estimator and salesman, wishes responsible position where technical and commercial ability is needed; also good knowledge of general and electrical machinery; at present connected with large New York concern. Address "F. 21," Engineering News New York. 22-1t

SITUATIONS OPEN

WANTED.—An engineer with some experience on sewer construction, to take charge of party and in charge of construction on pipe sewers. One having a transit preferred. Also a young man with some experience as draftsman on stadia topographical work. State salary, references. Address "W. A. 21," Engineering News, New York. 22-1t

WANTED.—Instrumentmen, draftsmen and concrete inspectors; state age, experience and education. Address BOX 905, Schenectady, N. Y. 22-6t

WANTED.—An engineer familiar with waterworks construction to become associated in an established business, showing 20% profit. Must be able to invest $5,000 or $10,000 in the company's stock. Address "L. A. 22," Engineering News, New York. 22-2t

DRAFTSMEN FOR LAND PLAN WORK—Must be capable of plotting from railroad survey notes. Address "M. A. 22," Engineering News, New York, stating age, experience and lowest salary; send blueprint sample of work, not to be returned. 22-1t

STRUCTURAL DRAFTSMEN wanted who are experienced in power-house design and similar lines. Address "K. A. 22," Engineering News, New York. 22-1t

FOR SALE

FOR SALE

BOILER WORKS on main line P. R. R., between New York and Philadelphia, one hour from New York, all brick buildings, 22,092 floor space, modern equipment, capacity, 2,500 horse-power monthly; seven acres land; 500 feet railroad frontage with siding; well established business; will sell real estate separately, if desired; decided bargain. Address, immediately, W. B. BOYD, New Brunswick, N. J. 22-1t

FOR SALE

Ten Austin 1½-yard Contractors' Dump Wagons.

One Austin New Era Grader (Steel).

One 25-horse Case Traction Engine.

Ten Kilbourne & Jacobs No. 3 Wheel Scrapers.

All the above material is new and in A1 condition, having been used but a few weeks last summer.

22-1t **WM. J. SEMPER, Brownville, N.Y.**

FOR SALE

48 4-yd. Allison cars. 96 3-yd. Allison cars
4 Keystone well drillers.
5 Hoisting Engines. 13 Steam drills
1 Manhattan Elevated standard gage locomotive.
4 Standard gage flat cars.
25 Frogs and switches for 40-lb. rails.
7 Dump wagons. 4 Wagons.
1 Grading machine with 16-HP. traction engine.

Also a large lot of all kind of contractors' tools for grading and masonry. Must be sold. Particulars on application. Address, CALVIN E. BRODHEAD, Receiver.
22-4t Room 5040, 1 Madison Ave., N. Y. City.

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